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PRAIRIE VIEW A&M UNIVERSITY
(A Part of The Texas A&M University System)

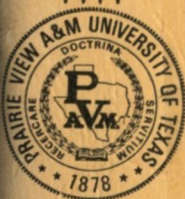
1983-84

SUPPLEMENT TO THE

1982-83

GENERAL CATALOG ISSUE

LD
4571
P58C37
1982-
1984
Supp.



Prairie View, Texas

BULLETIN OF
PRAIRIE VIEW A&M UNIVERSITY
(USPS 074-960)

Prairie View, Texas

Established by the Legislature of the State of Texas in the year 1876

VOLUME 72

December 1983

NO. 1

**1983-84 SUPPLEMENT TO THE
1982-83 GENERAL CATALOG ISSUE**



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ACCREDITATION

The University is accredited by the Texas Education Agency and the Southern Association of Colleges and Schools. The teacher education programs are accredited by the National Council for Teacher Education. The engineering curricula are nationally accredited by the Accreditation Board for Engineering and Technology. The nursing curriculum is accredited by the National League for Nursing. The home economics curricula are accredited by the American Home Economics Association. The social work curriculum is accredited by the Council on Social Work Education.

Prairie View A&M University is an equal education opportunity institution; its students, faculty, and staff members are selected without regard to their race, color, creed, sex, age, or national origin, consistent with the Assurance of Compliance with Title VI of the Civil Rights Act of 1964.

Entered as second-class mail matter, at the post office at Hempstead, Texas.

PURPOSE OF THE SUPPLEMENT

This publication is the 1983-84 Supplement to the 1982-83 General Catalog. It summarizes pertinent changes in the academic and business affairs of Prairie View A&M University for the 1983-84 school year.

The Supplement addresses only those areas of change that have been documented for the 1983-84 Academic Year. As such, it is designed to be used in conjunction with the General Catalog. If a particular area of interest is not covered in this Supplement, one should use the 1982-83 General Catalog as a reference. The 1982-83 General Catalog will continue to be the most comprehensive source of information concerning the University and its programs for the 1983-84 Academic Year.



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ACADEMIC YEAR CALENDAR

1983-84

Fall 1983

EVENT/ACTIVITY	MONTH/DATE	DAY
Residence Halls And Dining Hall Open	August 20	Saturday
Orientation For New Students	August 21-26	Sunday-Friday
Regular Registration	August 24-26	Wednesday-Friday
Registration For Weekend Classes	August 27	Saturday
Instruction Begins/Late Registration With Fee Begins	August 29	Monday
Late Registration And Adding Courses End	September 3	Saturday
Withdrawal Without Record Ends	September 12	Monday
Application For Fall Graduation Ends	October 1	Saturday
Withdrawal From Courses With An Automatic Grade of "W" Ends/After This Date Student Will Receive "WP" or "WF"	October 15	Saturday
Midsemester Examination Period	October 20-22	Thursday-Saturday
Midsemester Grades Due In Registrar's Office	October 25	Tuesday
Thanksgiving Holidays	November 23-27	12:00 Noon, Wednesday-Sunday
Instruction Resumes	November 28	Monday
Last Day To Withdraw From Any Course Or Courses	December 5	Monday
Final Examination Period	December 12-17	Monday-Saturday
Semester Ends	December 17	Saturday
Final Grade Reports Due In Registrar's Office	December 19	Monday

Spring 1984

EVENT/ACTIVITY	MONTH/DATE	DAY
Residence Halls And Dining Hall Open	January 7	Saturday
Orientation For New Students	January 8-11	Sunday-Wednesday
Regular Registration	January 11-13	Wednesday-Friday
Registration For Weekend Classes	January 14	Saturday
Martin Luther King, Jr. Day Recess	January 16	Monday
Instruction Begins/Late Registration With Fee Begins	January 17	Tuesday

Late Registration And Adding Courses End	January	21	Saturday
Withdrawal Without Record Ends	January	30	Monday
Application For Spring Graduation Ends	February	4	Saturday
Withdrawal From Courses With An Automatic Grade of "W" Ends/After This Date Student Will Receive "WP" Or "WF"	March	3	Saturday
Midsemester Examination Period	March	8-10	Thursday-Saturday
Midsemester Grades Due In Registrar's Office	March	10	Saturday
Spring Recess	March	12-16	Monday-Friday
Instruction Resumes	March	19	Monday
Honors Convocation	March	28	Wednesday
Preregistration For Fall Semester	April	9-14	Monday-Saturday
Easter Recess	April	20	Friday
Instruction Resumes	April	23	Monday
Final Examination Period For Graduation Candidates	April	26-28	Thursday-Friday
Last Day To Withdraw From Any Course Or Courses	April	30	Monday
Final Examination Period	May	7-12	Monday-Saturday
Semester Ends	May	12	Saturday
Commencement	May	13	Sunday
Final Grade Reports Due In Registrar's Office	May	14	Monday

SUMMER SESSION

First Summer Term 1984

EVENT/ACTIVITY	MONTH/DATE	DAY
Registration	June 1-2	Friday-Saturday
Instruction Begins/Late Registration Begins	June 4	Monday
Late Registration, Adding And Withdrawal From Courses End	June 5	Tuesday
Application For Summer Graduation Ends	June 16	Saturday
Independence Day Recess	July 4	Wednesday
Instruction Resumes	July 5	Thursday
Final Examination Period	July 10	Tuesday
First Summer Term Ends	July 10	Tuesday

Second Summer Term 1984

Registration	July	13-14	Friday-Saturday
Instruction Begins/Late Registration Begins	July	16	Monday
Late Registration, Adding And Withdrawal From Courses End	July	17	Tuesday
Final Examination Period For Summer Graduation Candidates	August	13	Monday
Final Examination Period	August	17-18	Friday-Saturday
Second Summer Term Ends	August	18	Saturday
Commencement	August	19	Sunday

PRAIRIE VIEW A&M UNIVERSITY

Administrative Officers

Percy A. Pierre	President
Herbert N. Watkins	Executive Vice-President for Administration
Thomas J. Cleaver	Acting Vice-President for Academic Affairs
Gerard E. Gray	Vice-President for Physical Plant Planning & Engineering
Johnny R. Hill	Vice-President for Development & University Relations
Charlie L. Tolliver	Vice-President for Student Affairs and Services
Frederick V. Roberts, Esq.	Assistant to the President
Elaine P. Adams	Associate Vice-President for Academic Services & Planning
Leon Adams	Associate Vice-President for Physical Plant Planning & Engineering
Ulysses R. Bell	Associate Vice-President for Business Operations
Jo Ann Blake	Acting Dean, College of Nursing
Flossie M. Byrd	Dean, College of Home Economics
Samuel R. Collins	Dean, College of Industrial Education & Technology
Theodore R. Freeman	Dean, College of Agriculture
John D. Harris	Dean of Students
Dorisula W. Hawkins	Acting Dean, College of Business
Edward W. Martin	Dean, College of Arts & Sciences
Leroy Moore	Acting Dean, College of Education
Decatur Rogers	Acting Dean, College of Engineering
Arthur C. Washington	Dean, Graduate School

Directors and Associate Directors

Pauline D. Bonner	Director, Alumni Affairs
Alexander Brown	Director, Counseling Services
Hoover Carden	Director, Cooperative Extension Service
Lincoln Catchings	Director, Personnel Services
Sandra B. Davis	Director, Management & Support Services
Irvine C. Gordon	Director, Cooperative Education
Cathy Harris	Associate Director, Admissions
Marion Henry	Athletic Director
Norman Hunter	Director, Computer Services
Brutus Jackson	Director, Career Planning, Placement & Athletics
A. D. James, Jr.	Director, Student Financial Aid
Winfred V. Johnson	Director, Student Activities
Emory R. Owens, M.D.	Director, Medical Services
COL J. E. Pennywell	Commanding Officer, Army ROTC
George H. Stafford	Director, Admissions
Alvin I. Thomas	Director, Houston Nursing Facility
Joyce K. Thornton	Acting Director, W. R. Banks Library
Erskine R. Vanderbilt	Registrar
CDR Hal Walton	Commanding Officer, Navy ROTC
Curtis A. Wood	Director, Information & Publications

GENERAL INFORMATION

UNDERGRADUATE PROGRAMS

ADMISSION REQUIREMENTS

Admission Materials

Admission materials must include:

1. Application for admission showing personal data and social security number.
2. A transcript of school record which shows:
 - a. Certification of completion of high school showing date of graduation or the High School Equivalency Diploma as evidence of passing the G.E.D. Examination.
 - b. A minimum of sixteen (16) units of credit earned in high school level courses.
3. Confidential Rating Form completed by principal or counselor of high school attended.

Unconditional Admission

A student is accepted for enrollment on an unconditional basis provided all of the following conditions are met:

- a. A grade point average of at least 2.0 on a 4.0 scale,
- b. Graduation rank in upper 50% of class, AND
- c. Combined Scholastic Aptitude Test (SAT) score of at least 700 or American College Testing Program (ACT) scores of at least 14.

In addition a student may be admitted unconditionally if any one of the following conditions is met:

- a. 800 or above SAT score, OR
- b. 16 or above ACT score, OR
- c. Rank in upper 25% of graduating class.

Provisional Admission

Applicants who do not meet these admission requirements may be considered for admission under the provisional admission program.

Students granted admission through the provisional admission program will be required to enroll in six (6) semester hours of specified courses during the summer prior to initial enrollment and achieve a grade of "C" or better in each course taken. Provisional admission is available only for students applying for fall admission.

International Students

International students who meet the general admissions standards may be selected for admission to the University.

OFF-CAMPUS HOUSING POLICY

Students who enroll at the University are expected to reside in the residence halls and eat in the on-campus dining facility.

The following are exceptions to this policy:

1. Students who live at their permanent residences within sixty miles of the University.
2. Students who are at least twenty-three years of age and live within sixty miles of the University.
3. Students who are married and reside with their families.
4. Veterans.
5. Graduate students.
6. Junior and senior students with cumulative grade point averages of at least 2.50.
7. Student teachers during the period of student teaching only.
8. Cooperative education students during the period of C.E. assignment only.
9. Internship students during the period of internship only.
10. Nursing students on clinical affiliation.
11. Students enrolled in Trade and Industrial Education certificate programs.
12. Students enrolled in absentia.

TUITION AND STUDENT FEES

Registration at the University involves the dual process of enrolling in classes and paying fees. A student is not considered registered until all required fees are paid to the Fiscal Office.

General Fees (Off-Campus Residents)	Semester	Summer Term
Tuition per credit hour		
(Texas Resident)	\$ 4.00 (min. \$50.00)	\$ 4.00 (min. \$25.00)
(Non-Texas Resident)	40.00 (min. \$50.00)	40.00 (min. \$50.00)
Student Service Fee per credit hour	5.00 (max. \$60.00)	5.00 (max. \$30.00)
Building Use Fee per credit hour	5.75	5.75
General Fees (On-Campus Residents)		
Tuition per credit hour		
(Texas Resident)	4.00 (min. \$50.00)	4.00 (min. \$25.00)
(Non-Texas Resident)	40.00 (min. \$50.00)	40.00 (min. \$50.00)
Student Service Fee per credit hour	5.00 (max. \$60.00)	5.00 (max. \$30.00)
Building Use Fee per credit hour	5.75	5.75
Room Rent		

Drew & Holly	510.00	216.00
All Other Dorms	446.00	180.00
Board Fee	636.00	265.00
Tax on Board	31.80	13.25
Laundry Fee	72.00	28.00

Incidental Fees

Add/Drop Fee per form	6.00	6.00
Applied Music per course	12.00	12.00
Auditing per course	10.00	10.00
Bad Check per check	15.00	15.00
Certificates	6.00	6.00
Diploma Fee		
Undergraduate	10.00	10.00
Graduate	20.00	20.00
General Property Deposit	10.00	10.00
I.D. Card Fee	4.00	2.00
Key Deposit Fee (one-time only)		
Initial	5.00	
Replacement	10.00	
Laboratory Fee	2.00-8.00 range	2.00-8.00 range
Late Fee per day	1.00-5.00	1.00-5.00
Registration in Absentia		
(Texas Resident)	15.00	15.00
(Non-Texas Resident)	17.50	17.50
Reinstatement Fee	50.00	50.00
Room Reservation Deposit		
Fee (one-time only)	50.00	
Transcript Fee per copy	2.00	2.00
Vehicle Registration	15.00	10.00

Fee Payment Plans

There are two fee payment plans:

Pay Plan I: Requires full payment of all fees at the time of registration.

Pay Plan II: Requires full payment of mandatory fees plus one-third cost of room, board and laundry at the time of registration, with the remaining balance due in two equal installments on October 5 and November 5 for the fall semester, and on March 5 and April 5 for the spring semester. Pay Plan II is offered only to students residing in university dormitories during the fall and spring semesters. Pay Plan II is not offered during the summer terms.

Students who do not meet their financial obligation when due are administratively withdrawn from the University and do not receive credit for that term.

Dishonored Checks

All checks accepted by the University are expected to clear the bank from which they are drawn. There is a \$15.00 service charge imposed on all checks returned by the bank. Any student who issues three or more checks which are not honored loses check writing privileges at the University.

FINANCIAL AID

Academic Progress Policy

Below are the standards used to measure satisfactory academic progress.

Full-time Students:

1. Students must register for and complete a minimum of 12 semester hours if they are to be eligible for financial aid.
2. Students must maintain a semester grade point average of 2.0 and have a cumulative grade point average of 2.0.

Full-time Students Enrolled in a Summer Session:

1. Financial aid recipients are required to complete at least 6 hours.
2. Students must maintain a summer session grade point average of 2.0 and have a cumulative grade point average of 2.0.

Transfer Applicants:

Transfer applicants must prove their eligibility to reenter their previous institution and meet the requirements of the Academic Progress Policy for Financial Aid Recipients at Prairie View A&M University.

Part-time Students:

1. Students who attend half-time (6-8 semester hours) must register for and complete a minimum of 6 semester hours.
2. Students who attend three-quarter time (9-11 semester hours) must register for and complete a minimum of 9 semester hours.
3. All part-time students (half-time and three-quarter time) must maintain a semester grade point average of 2.0 and have a cumulative grade point average of 2.0.

Part-time Students Enrolled in a Summer Session:

1. Financial aid recipients are required to complete at least 3 hours.
2. Students must maintain a summer session grade point average of 2.0 and have a cumulative grade point average of 2.0

Review Policies

At the end of each semester the grade point average and number of hours earned by each financial aid recipient will be entered into the official student financial record.

"A" through "D" grades shall be considered as semester hours completed. "F", "W", and "I" grades shall not be considered as semester hours completed.

Students who do not complete any semester hours or who receive a 0.0 grade point average in a particular semester will be placed on Financial Aid Suspension.

Financial Aid Probation

A student who fails to meet any of the above criteria in a particular semester will be placed on Financial Aid Probation. A student in this category may receive financial aid for the forthcoming semester, but must complete 12 semester hours with a semester grade point average of 2.0.

Students who enroll in Summer School and who are on Financial Aid Probation must enroll both summer terms and complete 12 summer hours with a grade point average of 2.0.

If a student does not complete 12 semester hours during a regular semester or during the summer sessions of the probationary period, the student is considered to be making "Unsatisfactory Progress" and is placed on Financial Aid Suspension. Financial Aid Suspension means the termination of all financial aid.

Appeal Of Financial Aid Probation/Suspension

A student who feels that an error has been made in determining the student's semester or summer grade point average and/or cumulative grade point average may appeal in writing to the Financial Aid Committee.

Conditions For Reinstatement

A student who has been placed on financial aid suspension can receive financial aid again when the student's semester or summer cumulative grade point average is 2.0.

NOTE— Each student is responsible for knowing his/her academic status regarding financial aid before applying for financial assistance at this University.

If a student is on financial aid probation or suspension at this University and has been admitted to another institution, the student is required to earn at that college or university a grade point average equal to that which is required at Prairie View A&M University in order to be eligible to reapply for aid at Prairie View A&M University.

ACADEMIC INFORMATION

UNDERGRADUATE PROGRAMS

COLLEGE OF AGRICULTURE

INSTRUCTIONAL ORGANIZATION

Agricultural Economics Program	Animal Science Program
Agricultural Education Program	Plant Science Program
Agricultural Engineering Program	Soil Science Program

ADMINISTRATIVE OFFICERS

Dr. Theodore R. Freeman, Dean & Research Director, Animal Industries Building, Room 113.
Dr. Alfred L. Parks, Coordinator, Agricultural Economics Program
Dr. Cecil L. Strickland, Sr., Coordinator, Agricultural Education Program
Mr. Erric J. Johnson, Coordinator, Agricultural Engineering Program
Mr. Victor C. Stanley, Coordinator, Animal Science Program
Dr. Juanito C. Reyes, Coordinator, Plant Science Program
Dr. Arthur Mangaroo, Coordinator, Soil Science Program

INSTRUCTIONAL OFFICERS

Agricultural Economics Program
Mr. Bobby J. Mixon; Dr. Alfred L. Parks
Agricultural Education Program
Dr. Freddie L. Richards; Dr. George Stafford; Dr. Cecil L. Strickland, Sr.
Agricultural Engineering Program
Mr. Erric J. Johnson; Mr. Eric Risch
Animal Science Program
Dr. Wendell C. Baker; Dr. Alfred N. Poindexter; Mr. Victor C. Stanley; Mr. Lindsey Weatherspoon
Plant Science Program
Dr. Vernon Jones; Dr. Juanito C. Reyes
Soil Science Program
Dr. Eugene Brams; Dr. Thomas S. Harris; Dr. Arthur Mangaroo

CURRICULUM CHANGES

The following changes have occurred in all curricula in the College of Agriculture:

GENERAL UNIVERSITY REQUIREMENTS

English 213 is now Advanced Composition; Fundamentals of Speech (Speech 213; formerly English 213) is no longer required.
Military Science (Army ROTC and Navy ROTC) courses are optional.
Nursing 111 and 121 are now Health Education 111 and 121

COLLEGE REQUIREMENTS

Chemistry 114 is now Chemistry 111 (Lab) and Chemistry 113 (Lecture).

Chemistry 124 is now Chemistry 121 (Lab) and Chemistry 123 (Lecture).

Accounting 203 is Principles of Accounting I.

Accounting 213 is Principles of Accounting II.

Agricultural Engineering 123 is Shop Skills.

AGRICULTURAL ECONOMICS PROGRAM

Biology 114, General Zoology, replaces Biology 123.

Agricultural Economics 223, Fundamentals of Economics, may be taken in Freshman Year, Fall Semester.

Computer Science 133, Introduction to Computing, is now required and may be taken in Sophomore Year, Fall Semester.

Agricultural Economics 343, Records and Accounts, is now required and replaces the elective in the Junior Year, Fall Semester.

Agricultural Economics 373, Marketing Livestock and Products, replaces Agricultural Economics 423 in Junior Year, Spring Semester.

Economics 353, Economic Statistics, is now required and may be taken as the statistics requirement in Junior Year, Spring Semester.

Computer Science 112, Introduction to Programming with Basic, is now required and may be taken in Junior Year, Spring Semester.

Computer Science 143, Computers and Programming, replaces Math 112 or Math 133 in Senior Year, Fall Semester.

Agricultural Economics 423, Farm Management, replaces Agricultural Economics 373 in Senior Year, Spring Semester.

Agronomy 433 is Morphology.

There are six semester credit hours of electives in Senior Year, Spring Semester.

AGRICULTURAL EDUCATION PROGRAM

Agricultural Engineering 123, Shop Skills, may be taken in Freshman Year, Fall Semester.

Physical Education 201 A-N may be taken in both semesters, Sophomore Year.

English 223 may be taken in Sophomore Year, Spring Semester.

Three semester hours of agricultural education or free electives may be taken in Sophomore Year, Spring Semester.

Agricultural Education 313 is Introduction to Agricultural Education.

Animal Science 313 is Animal Nutrition.

Three semester credit hours of natural or physical science electives may be taken in Junior Year, Fall Semester, instead of in Senior Year, Fall Semester.

Agricultural Engineering 413 is Environmental Engineering.

Three semester credit hours of agricultural engineering electives may be taken in Senior Year, Fall Semester.

Agricultural Education 426 is Observation in Agriculture.

Three semester credit hours of agricultural engineering electives and free electives have been deleted from Senior Year, Spring Semester.

AGRICULTURAL ENGINEERING PROGRAM

Physical Education 101 A-R should be taken in Freshman Year, Fall Semester, instead of Spring Semester.

Plant Science 103, Introductory, is now required and may be taken in Freshman Year, Spring Semester.

Mathematics 214 and Mathematics 274 may be taken in Junior Year Fall and Spring Semesters, respectively.

Physical Education 101 A-R and Physical Education 201 A-N may be taken in Junior Year, Fall and Spring Semesters, respectively.

General Engineering 212, Engineering Graphics III, should be taken in Sophomore Year, Fall Semester.

Architecture 113, Environmental Design for the Elderly, is now required and may be taken in Sophomore Year, Fall Semester.

History 173 and Political Science 113 may be taken in Sophomore Year, Fall Semester.

Agricultural Engineering 123, Shop Skills, is now required and may be taken in Sophomore Year, Spring Semester.

History 183 and Political Science 123 may be taken in Sophomore Year, Spring Semester.

Economics 213 may be taken in Senior Year, Fall Semester.

Agricultural Engineering 213 may be taken in Junior Year, Fall Semester.

Civil Engineering 343 is Materials Science.

Agricultural Engineering 343 is Agricultural Structures.

Agricultural Engineering 423 may be taken in Senior Year, Fall Semester, instead of Spring Semester.

Agricultural Engineering 433 may be taken in Senior Year, Spring Semester, instead of Fall Semester.

Electrical Engineering 223 should be Electrical Engineering 213, Basic Electrical Engineering.

There is no elective in the Senior Year, Spring Semester.

ANIMAL SCIENCE PROGRAM

No Change.

PLANT SCIENCE PROGRAM

Poultry Science 223, Poultry Production, is now required and may be taken in Sophomore Year, Fall Semester.

Sociology 273, Rural Sociology, may be taken in Sophomore Year, Spring Semester.

SOIL SCIENCE PROGRAM

No Change.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of other courses in the College of Agriculture, consult the 1982-83 Catalog.

AGRICULTURAL EDUCATION

Add:

100. Survey. (AgEduc 100 Intro to Ag Ind). Credit 0.

313. Introduction to Agricultural Education. (AgEduc 313 Intro to Ag Educ) (3-0) Credit 3. I. Introduction to the profession of agricultural education. Methods and activities of making vocational education in agriculture more effective through competent leadership. (Formerly: Future Farmers of America)

Delete:

313. Future Farmers of America.

AGRICULTURAL ENGINEERING

Change:

123. Shop Skills. Credit 3. (Formerly: Farm Shop).

343. Agricultural Structures. Credit 3. (Formerly: Farm Buildings and Construction).

413. Environmental Engineering. Credit 3. (Formerly: Farm and Home Utilities).

COLLEGE OF ARTS AND SCIENCES

Undergraduate Catalog Supplement

INSTRUCTIONAL ORGANIZATION

Department of Army ROTC
Department of Art, Music and Drama
Department of Biology
Department of Chemistry
Department of Communications
Department of English and Foreign Languages
Department of Mathematics and Computer Science
Department of Navy ROTC
Department of Physics
Division of Social and Political Sciences
Department of Social Work and Sociology

ADMINISTRATIVE OFFICERS

Dr. Edward W. Martin, Dean; Harrington Science Building, Room 211C
Col. J. E. Pennywell, PMS, Dept. of Army ROTC
Dr. Lucius Wyatt, Head, Dept. of Art, Music and Drama
Dr. Jewel E. Berry, Head, Dept. of Biology
Dr. John R. Williams, Head, Dept. of Chemistry
Dr. Millard F. Eiland, Head, Dept. of Communications
Dr. E. Joahanne Thomas, Head, Dept. of English and Foreign Languages
Dr. Frank W. Hawkins, Head, Dept. of Mathematics and Computer Science
Cdr. Hal Walton, Commanding Officer, Dept. of Navy ROTC
Dr. Cleo L. Bentley, Head, Dept. of Physics
Dr. George R. Woolfolk, Director, Division of Social and Political Sciences
Dr. Sarah B. Williams, Head, Dept. of Social Work and Sociology

INSTRUCTIONAL OFFICERS

Department of Army ROTC

MAJ (P) James A. Artis; SSG Vitus R. Beamon; CPT Sharon K. B. Burleson; CPT Ricky Daniels; MAJ William W. Goodwin; SFC Manuel P. Guzman; CPT (P) Larry R. Hamilton; CPT Jeffrey W. Hetherington; MSG Anthony Jones; SFC Ernest Kendall; CPT Donald R. Lee; CPT Paul A. Loveless; COL J. E. Pennywell; SGM

Perry J. Stepheney; LTC W. C. Stephens; SFC (P) Jessie L. Tiller;
CPT James W. Whitehead

Department of Art, Music and Drama

Dr. James T. Ashford; Mr. Nathaniel Brickens; Mr. George Edwards;
Mr. Connaly S. Garrett; Dr. Ruby Hebert; Dr. Willie Hooker; Mr.
Larry Jones; Dr. Danny Kelley; Mr. Joseph Mack; Mr. William
McQueen III; Dr. Theodis Shine; Mr. Clarence Talley; Mr. C. Lee
Turner; Mr. Leroy Weaver; Dr. Lucius Wyatt

Department of Biology

Dr. Jewel E. Berry; Dr. George E. Brown; Dr. Kothapa N. Chetty; Dr.
Lorenzo Coats; Dr. Lee E. Henderson; Dr. Ronald D. Humphrey;
Dr. Edward W. Martin; Dr. Seab Smith; Dr. Arthur Washington

Department of Chemistry

Dr. Henry H. Ballard; Dr. Larry L. Cole; Dr. Vasant M. Doctor; Dr.
Harold Hauser; Dr. William E. Moore; Mr. William E. Reid; Mr.
Lee Van Richardson; Dr. John R. Williams; Mr. Mark A. Williams

Department of Communications

Mr. Larry E. Coleman; Dr. Millard F. Eiland; Ms. Diana Fallis*; Ms.
Joy Fitzgerald; Mr. Henry C. Hawkins; Mr. Curtis E. Johnson; Ms.
Carol A. Means; Mr. Ed Shannon; Dr. Curtis A. Wood

Department of English and Foreign Languages

Dr. Jean Carter; Mr. William H. Chapman; Ms. Marilyn Jones-
Douglas; Ms. Thetis C. Edmond; Mrs. Olivette H. Higgs; Mrs.
Frankie Ledbetter; Ms. Vicki Paski-Nasser; Mr. Perry A. Rosett; Mr.
Hubert D. Smith*; Dr. E. Joahanne Thomas; Mrs. Iris B. Thomas;
Mrs. Bernice S. Webster; Mr. Ernest P. Williams

Department of Mathematics and Computer Science

Mr. Jeffrey Coleman; Dr. Laurette Foster; Dr. Freddie Frazier; Mr.
Samuel Good; Mr. Clinnon Harvey; Dr. Frank T. Hawkins; Dr.
Tommie Hill; Dr. Chuen S. Huang; Dr. Burnis Johnson; Dr. Vera
King; Mr. J. D. Oliver; Dr. Pedro Oliver; Dr. George A. Roberts;
Dr. Lal Singh; Dr. A. D. Stewart; Dr. Evelyn Thornton; Mr. James
Walker; Mr. Willie Waters*

Department of Navy ROTC

SKC Aristotles D. Afan; LT J. M. Brown; LT Charles Coleman; LCDR
Clarence Gray, Jr.; YNC Ronald C. Gregory; QMC Edward L. Johns;
LT Joseph M. Lawson; SSGT Garry D. McCrary; CPT Daryl C.
Tannis; CDR Charles L. Tompkins; CDR Harold A. Walton; LT
Reuben L. Wright

Department of Physics

Dr. Cleo L. Bentley; Mr. Robert E. Gibson; Dr. Richard G. Thomas;
Dr. Fa-Chung Wang

*Denotes part-time faculty

Division of Social and Political Sciences

Dr. John A. Beasley; Mr. Harris E. Bell; Dr. Purvis M. Carter; Mr. Hulen M. Davis; Mr. Clarence W. Dorsey; Mr. James W. Harris; Dr. Phillip Kithcart; Mrs. Gwylen Lawrence; Dr. Anasuya S. Rao; Mr. Ronald D. Server; Mr. Victor C. Sumner; Dr. Lenora Tate; Dr. George R. Woolfolk

Department of Social Work and Sociology

Mr. Bobby Haliburton; Rev. W. Van Johnson; Mrs. Elizabeth A. Martin; Mrs. Jimmie R. Poindexter; Dr. Sarah B. Williams

CURRICULUM CHANGES

The following changes have occurred in all curricula in the College of Arts and Sciences:

GENERAL UNIVERSITY REQUIREMENTS

English 213 is Advanced Composition; Fundamentals of Speech (Speech 213; formerly English 213) is no longer required.

Military Science (Army ROTC and Navy ROTC) courses are optional. Nursing 111 and 121 are now Health Education 111 and 121.

COLLEGE REQUIREMENTS

The Division of Freshman Studies which included Freshman English and Freshman Mathematics has been discontinued as an academic unit. These programs have been combined with the Department of English and Foreign Languages and the Department of Mathematics and Computer Science, respectively.

DEPARTMENT OF ARMY ROTC

CURRICULUM CHANGES

NOTE.— Leadership Laboratory (MS 171, 181, 271, 281, 371, 381, 471, and 481) is required for all students enrolled in a core program. Leadership Laboratory is a two-hour period conducted weekly. The course is to acquaint students at all levels of Military Science with the basic command, organizing and control of small elements/adventure training groups. Emphasis is on physical fitness using the U.S. Army Physical Readiness Training as a model.

Military Science 224, AROTC Basic Camp, is required only of students who do not take freshman or sophomore military science courses and wish to enter the advanced program.

Military Science 203, American Military History, must be taken prior to commissioning. It may be taken in the Sophomore or Junior Year.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of other courses in the Department of Army ROTC, consult the 1982-83 Catalog.

Add:

111. Introduction to Military Science. (MS 111 Intro to Mil Sci) (1-0)

Credit 1. I. An introductory study of the purpose, organization, role, mission and functions of the AROTC Program and the U.S. Army.

121. Introduction to Leadership. (MS 121 Intro to Ldrshp) (1-0) Credit 1. II. A continuation of the basic fundamentals of leadership and the exercise of command.

203. Military History. (MS 203 Mil Hist) (3-0) Credit 3. I-II. Survey of the military history of the United States from the American Revolution to the present. A study of the effect of military history on the development of United States society.

211. Role of the U.S. Army. (MS 211 Role of U.S. Army) (1-0) Credit 1. I. A comprehensive study of the customs and traditions of the service, including the organization, concepts of operations, and the role of the U.S. Army in the U.S. National Security Team.

221. Basic Military Tactics. (MS 221 Basic Mil Tact) (1-0) Credit 1. II. An introduction to basic military tactics and operations, emphasizing the organization, composition, and deployment of basic military teams. Leadership development, functions, duties and responsibilities of the junior leader are emphasized.

224. AROTC Basic Camp. (MS 224 AROTC Bsc Cmp) (0-4) Credit 4. Summer Only. Lectures and practical exercises in an on-campus preparatory phase with six-weeks of off-campus intensive training. Designed to develop a well-disciplined, highly motivated, physically conditioned student; to improve self confidence, initiative, and leadership potential through progressive practical experience in leadership techniques; to inform the student of the significance of military courtesy, discipline, custom and tradition of the service, career opportunities for AROTC graduates, and the military as a profession. This course qualifies applicants for enrollment in the Advanced ROTC Program.

303. Introduction to Aviation. (MS 303 Intro to Avia) (3-0) Credit 3. I-II. An introduction to aviation concepts and operations. Includes historic and current civilian and military utilization of aircraft. Examines Federal Aviation Administration and Civil Aeronautics Board regulations and procedures, aviation weather, communications, medical aid certification requirements, navigation, aircraft familiarization, aviation safety, instrumentation, and current developments in aviation technology. Laboratory will offer field trips to civilian and military aviation facilities, and hands-on experiences with civilian and military aircraft and flight simulators.

313. Principles and Techniques of Command. (MS 313 Prin and Tech of Cmd) (3-0) Credit 3. I. A survey of the principles and techniques of leadership and management for the small unit commander. The basic qualities of a leader, special problems of military leadership, span of control, planning, coordination, and decision-making are emphasized. Employment of teams of the Rifle Company and supporting elements are utilized as the model for this course.

323. Small Unit Tactics. (MS 323 Sml Unit Tact) Credit 3. II. An in-depth review and survey of small unit tactics and communications, principles of offensive and defensive combat and their application to the units of the infantry battalion. Individual skills required to lead and deploy teams are emphasized.

402. Military Seminar. (MS 402 Mil Sem) (2-0) Credit 2. I-II. Seminar and independent study of current topics in Military Science with emphasis on

Suggested Program

Freshman Year

Fall Semester	Hrs	Spring Semester	Hrs
Music 112	2	Music 122	2
Applied Music		Applied Music	
Music 113T	3	Music 123T	3
Music Theory		Music Theory	
Music 111T	1	Music 121T	1
Sight Sing & Ear Train		Sight Sing & Ear Train	
Music 111P	1	Music 121P	1
Piano (Secondary)		Piano (Secondary)	
Music 101	1	Music 101	1
Large Ensemble		Large Ensemble	
English 113	3	English 123	3
Freshman Composition		Freshman Composition	
History 173	3	History 183	3
U.S. History		U.S. History	
Physical Education 101	1	Physical Education 101	1
Health Education 111	1	Health Education 121	1
Concepts of Health I		Concepts of Health II	
	16		16

Sophomore Year

Fall Semester	Hrs	Spring Semester	Hrs
Music 212	2	Music 222	2
Applied Music		Applied Music	
Music 213T	3	Music 223T	3
Harmony & Keyboard		Music Theory	
Music 211T	1	Music 221T	1
Sight Sing & Ear Train		Sight Sing & Ear Train	
Music 211P	1	Music 221P	1
Piano (Secondary)		Piano (Secondary)*	
Music 212H	2	Music 222H	2
Music Literature		Music Literature	
Music 101	1	Music 101	1
Large Ensemble		Large Ensemble	
Mathematics 173	3	Mathematics 183	3
General Mathematics		General Mathematics	
Science 113	3	Science 123	3
College Science		College Science	
Physical Education 201	1	Physical Education 201	1
	17		17

*Piano proficiency Examination given upon completion of this course.

Junior Year

Fall Semester	Hrs	Spring Semester	Hrs
Music 312	2	Music 322	2
Applied Music		Applied Music	
Music 312T	2	Music 322T	2
Analysis of Music		Analysis of Music	
Music 101	1	Music 101	1
Large Ensemble		Large Ensemble	
English 213	3	English 223	3
Advanced Composition		Intro to Literature	
French 113	3	French 123	3
Political Science 113	3	Political Science 123	3
American Government		American Government	
Fine Arts, Elective	3	Fine Arts, Elective	3
Humanities		Humanities	
	17		17

Senior Year

Fall Semester	Hrs	Spring Semester	Hrs
Music 412	2	Music 422	2
Applied Music		Applied Music**	
Music 313H	3	Music 323H	3
Music History		Music History	
Music 101	1	Music 101	1
Large Ensemble		Large Ensemble	
German 113	3	German 123	3
Music Electives	6	Music Electives	6
Elective	3	Elective	3
Another Discipline		Another Discipline	
	18		18

**Preparation for Senior Recital.

Bachelor of Music in Applied Music (Performance) Option

NOTE— In this curriculum, excellence in musical performance is the major point of emphasis. Junior and Senior Music Recitals are required. This program, a non-teaching one, ideally prepares one for a career as a musical performer. Students who elect the Bachelor of Music in Applied Music program should be prepared to demonstrate high ability in musical performance.

Music 113T and Music 123T, Music Theory, are now required and may be taken in Freshman Year, Fall and Spring semesters respectively. Music 112T and Music 122T, Harmony, are no longer required. Physical Education 101 may be taken in both semesters of Sophomore Year.

Mathematics 173 and Mathematics 183 may be taken in Sophomore Year, Fall and Spring Semesters respectively.

Music 223T is Music Theory.

Three semester credit hours of French may be taken in each semester of Junior Year.

Science 113 and Science 123, College Science, may be taken in Junior Year, Fall and Spring Semesters respectively.

Physical Education 201 may be taken in both semesters of Senior Year. Three semester credit hours of German may be taken in each semester of Senior Year.

Three semester credit hours of music electives and three semester credit hours of general electives may be taken in each semester of the Senior Year.

NOTE— Voice majors are required to take: Music 302V, 402V, 442V, and 433V. They are no longer required to take Music 212E and Music 222E.

Piano majors are required to take: Music 403P and 412P. Secondary piano is not required of piano majors.

Wind and percussion majors are required to take: Music 201E, 211E, 221E and 231E. Such majors are encouraged to take a second ensemble where possible.

Bachelor of Music in Music Education Option

NOTE— This curriculum prepares one to teach music in schools from the elementary level through the high school level. Successful completion of this program is a primary requirement for All-Level Certification by the Texas Education Agency. The choral music emphasis prepares graduates to direct school choirs. The instrumental music emphasis prepares graduates to direct school bands and orchestras. A Senior Musical Recital is required in both programs.

Choral Music Emphasis

Music 113 and Music 123, Applied Music, replace Music 112 and Music 122, Concentration.

Music 113T and Music 123T, Music Theory, are now required and may be taken in Freshman Year, Fall and Spring Semesters respectively.

Music 112T and Music 122T, Harmony, are no longer required.

Music 111 and Music 121, Secondary, should be Music 111P and Music 121P, Piano (Secondary).

Political Science 113 and Political Science 123 may be taken in Freshman Year, Summer Sessions I and II respectively.

Mathematics 173 and Mathematics 183 may be taken in Sophomore Year, Fall and Spring Semesters respectively.

Music 213 and Music 223, Applied Music, replace Music 212 and Music 222, Concentration.

Music 223T is Music Theory.

Three semester credit hours of German may be taken in each Summer Session of Sophomore Year instead of Fall and Spring Semesters.

Physical Education 201 may be taken in the Sophomore Year, Summer Sessions I and II.

Music 211P and Music 221P, Piano (Secondary), may be taken in Sophomore Year, Summer Sessions I and II respectively.

Music 313 and Music 323, Applied Music, replace Music 312 and Music 322, Concentration.

Education 323 in Junior Year, Spring Semester, should be Education 343.

Music 413 and Music 423, Applied Music, replace Music 412 and Music 422, Concentration.

Music 412 E may be taken in Senior Year, Fall Semester.

Music 403T is no longer required.

Instrumental Music Emphasis

Music 113 and Music 123, replace Music 112 and Music 122, Concentration.

Music 113T and Music 123T, Music Theory, are now required and may be taken in Freshman Year, Fall and Spring Semesters respectively.

Political Science 113 and Political Science 123 may be taken in Freshman Year, Summer Sessions I and II respectively.

Mathematics 173 and Mathematics 183 may be taken in Sophomore Year, Fall and Spring semesters respectively.

Music 213 and Music 223, Applied Music, replace Music 212 and Music 222, Concentration.

Music 201E, Strings, replaces Music 241E.

Music 221E, Brasses, may be taken in Sophomore Year, Spring Semester.

Three semester credit hours of French may be taken in each Summer Session of the Sophomore Year, instead of in Fall and Spring Semesters.

Physical Education 201 may be taken in Sophomore Year, Summer Sessions I and II.

Three semester credit hours of German may be taken in each semester of Junior Year.

Music 313 and Music 323, Applied Music, replace Music 312 and Music 322, Concentration.

Music 323E, listed as Elementary School Music Program in Junior Year, Spring Semester, should be Music in the Junior and Senior High School.

Education 323 in Junior Year, Spring Semester, should be Education 343.

Music 211E, Woodwinds, and Music 231E, Percussion, may be taken in Senior Year, Fall Semester.

Music 413 and Music 423, Applied Music, replace Music 412 and Music 422, Concentration.

DRAMA

Drama 243, Stage Makeup, is now required and may be taken in Sophomore Year, Fall Semester. It replaces Speech 223.

Drama 303, Advanced Acting I, is now required and may be taken in Junior Year, Fall Semester. It replaces minor elective in Speech or English.

Drama 313, Advanced Acting II, is now required and may be taken in Junior Year, Spring Semester. It replaces minor elective in Speech or English.

Drama 453, Acting Problems, is now required and may be taken in Senior Year, Fall Semester. It replaces minor elective in Speech or English.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of other courses in the Department of Art, Music and Drama, consult the 1982-83 Catalog.

MUSIC

Add:

161B. Brass Ensemble. (Musc 161B Brass Ensemble) (1-2) Credit 1. I-II. The study and performance of literature written for brass instruments.

103H. Music in Contemporary Society. (Musc 103H Contemp Society) (3-0) Credit 3. I-II. The study of various cultures with emphasis on such elements as melody, rhythm, form and timbre. Musical examples from classical, folk, pop, jazz, and religious sources.

151J. Jazz Band. (Musc 151J Jazz Band) (1-2) Credit 1. I-II. The study and performance of literature written for jazz band. An ensemble devoted to the study and performance of jazz music.

131P. Piano Class. (Musc 131P Piano Class) (1-1) Credit I. I. Piano instruction in a group setting. The study of appropriate materials for acquiring a proficiency in piano.

141P. Piano Class. (Musc 141P Piano Class) (1-1) Credit I. II. Piano instruction in a group setting. The study of appropriate materials for acquiring a proficiency in piano.

103T. Fundamentals of Music. (Musc 103T Fundamentals) (3-0) Credit 3. I. An introduction to the elements of music, including study of the staff, clefs, key signatures, scales, time signatures, notation, meter and rhythm; applications of theory at the keyboard; and elementary solfeggio.

133T. Fundamentals of Music. (Musc 133T Fundamentals) (3-0) Credit 3. II. An introduction to the elements of music, including study of the staff,

clefs, key signatures, scales, time signatures, notation, meter and rhythm; applications of theory at the keyboard; and elementary solfeggio.

132V. Voice Class. (Musc 132V Voice Class) (1-1) Credit 2. I. Voice instruction in a group setting. The study of appropriate materials for acquiring a proficiency in voice.

142V. Voice Class. (Musc 142V Voice Class) (1-1) Credit 2. II. Voice instruction in a group setting. The study of appropriate materials for acquiring a proficiency in voice.

171Z. Percussion Ensemble. (Musc 171Z Percussion Ensemble) (1-2) Credit 1. I-II. The study and performance of literature written for percussion instruments.

Change:

113T. Music Theory. (Formerly: 112T Harmony and Keyboard)

123T. Music Theory. (Formerly: 122T Harmony and Keyboard)

223T. Music Theory. (Formerly: Harmony and Keyboard)

312T. Analysis of Music. (Formerly: Analysis of Form and Texture)

322T. Analysis of Music. (Formerly: Analysis of Form and Texture)

402T. Twentieth Century Music. (Formerly: Contemporary Harmonic Techniques)

Delete:

112Q. Organ

122Q. Organ

114T. Basic Music

124T. Basic Music

302T. Analysis of Jazz and Stage Band

DRAMA

Add:

223. Studies in Contemporary Drama. (Drama 223 Studies Contm Theatr) (3-0) Credit 3. I-II. The study and analysis of contemporary plays and playwrights.

243. Stage Makeup. (Drama 243 Stage Makeup) (3-0) Credit 3. I-II. Fundamentals of stage makeup: equipment, basic application of straight and character makeup.

273. Creative Writing. (Drama 163 Creative Writing) (3-0) Credit 3. I-II. Practice in the writing of short stories, poetry and plays.

303. Advanced Acting I. (Drama 303 Adv Act I) (3-0) Credit 3. I-II. Analysis, preparation and presentation of monologues and scenes from plays with emphasis on the individual actor.

313. Advanced Acting II. (Drama 313 Adv Act II) (3-0) Credit 3. I-II. Analysis, preparation and presentations of scenes from plays with emphasis on ensemble acting.

453. Acting Problems. (Drama 453 Act Problms) (3-0) Credit 3. I-II. A study of acting styles: Greek, Roman, Medieval, Elizabethan, etc. Exercises in voice, movement, and manner as related to the periods.

Change:

- 123. **Stagecraft.** (Formerly: 493)
- 153. **Contemporary Theatre.** (Formerly: 403)
- 203. **Acting I.** (Formerly: 283)
- 213. **Acting II.** (Formerly: 293)
- 323. **Directing I.** (Formerly: 433)
- 333. **Directing II.** (Formerly: 443)
- 383. **Theatre History I.** (Formerly: 243)
- 393. **Theatre History II.** (Formerly: 263)

DEPARTMENT OF BIOLOGY

CURRICULUM CHANGES

Mathematics 383 is now Computer Science 383, Statistical Research Methods, and is no longer a requirement in the Liberal Arts Option.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of other courses in the Department of Biology, consult the 1982-83 Catalog.

BIOLOGY

Add:

344. **Immunology.** (Biology 344 Immunology) (2-4) Credit 4. II. Fundamental aspects of immunology, antigenic systems, hypersensitivity, and serology.

DEPARTMENT OF CHEMISTRY

CURRICULUM CHANGES

The Department of Chemistry has no changes.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of other courses in the Department of Chemistry, consult the 1982-83 Catalog.

CHEMISTRY

Add:

111-121. **Inorganic Chemistry Laboratory.** (Chem 111-121 Inorganic Lab) (0-1) Credit 1. I or II. A general laboratory course covering aspects of qualitative and quantitative analysis and determination of chemical and physical properties. (Formerly: Part of Chemistry 114 and Chemistry 124)

113-123. **General Inorganic Chemistry.** (Chem 113-123 Inorganic) (3-0) Credit 3. I or II. These courses are designed for non-majors and non-minors. The first semester entails exploration of the fundamental concepts, laws and theories of chemistry through study of the states of matter, a descriptive view of the periodic chart, chemical properties and reactions, chemical

bonding and stoichiometry, solution and colloids. The second semester includes theories of acids, bases and salts. Elementary concepts of chemical kinetics and thermodynamics, equilibria, electrochemistry, and redox reactions. Introduction to organic chemistry and selected topics in biochemistry. (Formerly: Part of Chemistry 114 and Chemistry 124)

132-142. General Chemistry Laboratory. (Chem 132-142 Gen Chem Laboratory) (0-2) Credit 2. I or II. For students majoring or minoring in chemistry. A general laboratory course covering aspects of volumetric and gravimetric analysis, qualitative analysis, determination of chemical and physical properties and chemical synthesis. (Formerly: Part of Chemistry 115 and Chemistry 125)

133-143. General Inorganic Chemistry. (Chem 133-143 Inorganic) (3-0) Credit 3. I or II. For students majoring or minoring in chemistry. Theories of matter and the fundamentals of modern concepts in atomic and molecular structure. Stoichiometry, basic elements of wave mechanics as applied to chemical bonding and periodic classification. Introduction to thermodynamics and thermochemistry, kinetic and reaction rate laws. Ionic equilibria emphasizing protolytic and redox equilibria. General introduction to organic chemistry and biochemical systems/processes. (Formerly: Part of Chemistry 115 and Chemistry 125)

Delete:

114-124. General Inorganic Chemistry.

115-125. General Inorganic Chemistry.

DEPARTMENT OF COMMUNICATIONS

CURRICULUM CHANGES

NOTE— Advertising/Public Relations Option is no longer available.

Print/Photo Option is no longer available.

Speech Communication (non-teaching) is now available.

Communications 113, 123, and 153 require no prerequisites.

All other communications courses require prior completion of English 113, 123, and either Office Administration 203, Typewriting I, or a certificate of typing proficiency.

Prior completion of additional English coursework may be required at the option of the department.

Internships may now be taken after completion of 30 hours of communications courses.

Journalism Option

NOTE— Sixty-one hours of Communications including 113, 123, 133, 143, 213, 223, 233, 243, 323, 343, 353 or 413, 423, 310, and 410 are required for a major. The remaining six hours may be selected from courses numbered 300 and above. Additionally, Speech 223 is required.

A minimum of 24 hours of Communications, including 113, 123, 133, 143, 213, and 223 is required for a minor. The remaining six hours may be selected from courses numbered 300 and above.

Suggested Program

Freshman Year

Fall Semester	Hrs	Spring Semester	Hrs
English 113	3	English 123	3
Freshman Composition		Freshman Composition	
Mathematics 173	3	Mathematics 183	3
General College Math		General College Math	
History 173	3	History 183	3
U.S. History		U.S. History	
or		or	
Office Adm 203	3	Hist 173 (if not taken in	
Typewriting I		Fall Semester	
Foreign Language 113	3	Foreign Language 123	3
Elem French or Spanish		Elem French or Spanish	
Health Education 111	1	Health Education 121	1
Concepts of Health		Concepts of Health	
Physical Education 101	1	Physical Education 101	1
Physical Activity		Physical Activity	
Communications 113	3	Communications 123	3
Intro to Communications		Intro to Communications	
	<hr/> 17		<hr/> 17

Sophomore Year

Fall Semester	Hrs	Spring Semester	Hrs
English 213	3	English 223	3
Advanced Composition		Intro to Literature	
Foreign Language 213	3	Foreign Languages 223	3
Int French or Spanish		Int French or Spanish	
Science 113	3	Speech 223	3
College Science		Voice and Phonetics	
Physical Education 201	1	Science 123	3
Physical Activity		College Science	
Political Science 113	3	Political Science 123	3
American Government		American Government	
Communications 143	3	Communications 133	3
Newswriting & Reporting		Copy Editing	
	<hr/> 16		<hr/> 18

Junior Year

Fall Semester	Hrs	Spring Semester	Hrs
Social Science 123	3	Communications 243	3
Intro to Social Science		Magazine Journalism	
Communications 213	3	Communications 323	3
Communications Law		Editorials, Comments & Columns	
Communications 223	3	Communications 413	3
Feature Writing		Advertising Copy & Layout	
Communications 233	3	Communications 353	3
Intro to Advertising		Effects of Mass Comm	
Communications 343	3	or	
Fund of Public Relations		Communications 423	3
Elective or Minor	3	Politics & the Mass Media	
	<hr/> 18	Elective	3
			<hr/> 15

Senior Year

Fall Semester	Hrs	Spring Semester	Hrs
Communications 310	10	Communications 410	15
Prof Intern I		Prof Intern II	
Elective	3		
Physical Education 201	1		
Physical Activity			
	<hr/> 14		<hr/> 15

Radio/TV Option

NOTE—. Sixty-one hours of Communications, including 113, 153, 163, 173, 213, 233, 283 or 433, 293, 313, 333, 343, 423, 310, and 410 are required for a major.

A minimum of 24 hours of Communications, including 113, 153, 163, 213, 293, and 313, is required for a minor. The remaining six hours may be in courses numbered 300 and above. Additionally, Speech 233 is required.

Suggested Program

Freshman Year

Fall Semester	Hrs	Spring Semester	Hrs
English 113	3	English 123	3
Freshman Composition		Freshman Composition	
Mathematics 173	3	Mathematics 183	3
General College Math		General College Math	
History 173	3	History 183	3
U.S. History		U.S. History	
or		or	
Office Administration 203	3	History 173 (if not taken	
Typewriting I		Fall Semester)	
Foreign Language 113	3	Foreign Language 123	3
Elem French or Spanish		Elem French or Spanish	
Health Education 111	1	Health Education 121	1
Concepts of Health		Concepts of Health	
Physical Education 101	1	Physical Education 101	1
Physical Activity		Physical Activity	
Communications 113	3	Communications 153	3
Intro to Communications		Survey of Radio/TV Broadcasting	
	17		17

Sophomore Year

Fall Semester	Hrs	Spring Semester	Hrs
English 213	3	English 223	3
Advanced Composition		Intro to Literature	
History 183	3	Speech 233	3
U.S. History		Training Speaking Voice	
or		Political Science 123	3
Elective		American Government	
Foreign Language 213	3	Foreign Language 223	3
Int French or Spanish		Int French or Spanish	
Political Science 113	3	Physical Education 201	1
American Government		Physical Activity	
Physical Education 201	1	Communications 173	3
Physical Activity		Radio Production	
Communications 163	3		16
Radio & TV Writing			
	16		

Junior Year

Fall Semester	Hrs	Spring Semester	Hrs
Science 113	3	Science 123	3
College Science		College Science	
Communications 213	3	Communications 293	3
Communications Law		Radio Station Operations	
Communications 233	3	Communications 333	3
Intro to Advertising		Radio-TV Performance	
Communications 283	3	Communications 423	3
or		Politics & the Mass Media	
Communications 433		Elective or Minor	3
Communications 313	3	Social Science 113	3
Radio-TV Programming		Intro to Social Science	
Communications 343	3		18
Fund of Public Relations			
	18		

Senior Year

Fall Semester	Hrs	Spring Semester	Hrs
Communications 310	10	Communications 410	15
Prof Intern I		Prof Intern II	
Elective or Minor	6		
	<hr/> 16		<hr/> 15

Speech Communication Option (Non-Teaching)

NOTE—. Thirty-six hours in Speech Communication including Speech 213, 223, 243, 253, 263, 273, 283, 323, 343, 413, 423, plus 3 hours in Communications courses selected from 233, 333, 343, or 353 are required for a major.

A minimum of twenty-one hours in Speech including Speech 213, 223, 243, 253, 273, 323, and either 263, 283, 313, 343, 413, or 423 is required for a minor.

Suggested Program

Freshman Year

Fall Semester	Hrs	Spring Semester	Hrs
English 113	3	English 123	3
Freshman Composition		Freshman Composition	
Science 113	3	Science 123	3
College Science		College Science	
Mathematics 173	3	Mathematics 183	3
General College Math		General College Math	
History 173	3	History 183	3
U.S. History		U.S. History	
Physical Education 101	1	Physical Education 101	1
Physical Activity		Physical Activity	
Foreign Language 113	3	Foreign Language 123	3
Elem French or Spanish		Elem French or Spanish	
Health Education 111	1	Health Education 121	1
Concepts of Health		Concepts of Health	
	<hr/> 17		<hr/> 17

Sophomore Year

Fall Semester	Hrs	Spring Semester	Hrs
English 213	3	English 223	3
Advanced Composition		Intro to Literature	
Speech 243	3	Speech 223	3
Group Discussion		Voice and Phonetics	
Social Science 113	3	Speech 253	3
Intro to Social Science		Oral Interpretation	
Political Science 113	3	Political Science 123	3
American Government		American Government	
Speech 273	3	Elective	3
Argumentation & Debate		Physical Education 210	1
	<hr/> 15	Physical Activity	
			<hr/> 16

Junior Year

Fall Semester	Hrs	Spring Semester	Hrs
Foreign Language 213	3	Foreign Language 223	3
Int French or Spanish		Int French or Spanish	
Speech 343	3	Speech 283	3
Language & Pronunciation		Interpersonal Communication	
Physical Education 201	1	Speech 263	3
Physical Activity		Speech Composition	
Speech 323	3	Communications 233	3
Persuasion		or 343, 353, 333	
Minor	6	Minor	6
	<hr/> 16		<hr/> 18

Senior Year

Fall Semester	Hrs	Spring Semester	Hrs
Speech 313	3	Speech 413	3
Public Speaking		Business & Professional Spkng	
Minor	3	Minor	3
Electives	6	Electives	6
Speech 423	3		
Oral Communication Theory			12
	15		

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of other courses in the Department of Communications, consult the 1982-83 Catalog.

COMMUNICATIONS

Change:

133. Copy Editing. (Formerly: News Editing)

SPEECH

Add:

201. Forensics Practicum. (Spch 201 Forensics Practicum) (0-1) Credit 1. A research and practice course designed for students who are participating in the university's forensics program of intra & intercollegiate speech contest activities. May be taken 3 semesters for a maximum of 3 hours credit. Prerequisite: None.

233. Training the Speaking Voice. (Spch 233 Training Speaking Voice) (3-0) Credit 3. Voice and microphone training to develop effective use of voice especially for professionals for whom oral communication is essential to their success.

283. Interpersonal Communication. (Spch 283 Interpersonal Communication) (3-0) Credit 3. A study of human symbolic behavior and its effect on people. Emphasizes practical and theoretical implications and face to face interaction in social, business and professional settings. Prerequisites: English 113 and 123.

353. Directing Forensics Programs. (Spch 353 Direct Forensics) (3-0) Credit 3. A study of the theory and practice of school forensics program development and participant training. Emphasis on methods and materials for directing interscholastic contest programs in Speech—debate, oratory, public speaking, and oral interpretation. Prerequisites: English 113, 123, and 213; Speech 213, 233 and 253.

Change:

213. Fundamentals of Speech. (Formerly: English 213)

243. Group Discussion. (Formerly: Speech 143)

263. Speech Composition. (Formerly: Speech 163)

273. Argumentation and Debate. (Formerly: Speech 133)

DEPARTMENT OF ENGLISH AND FOREIGN LANGUAGES

CURRICULUM CHANGES

NOTE—. Speech (non-teaching) Option is no longer available in the Department of English and Foreign Languages. It is available in the Department of Communications.

English 213 is Advanced Composition and may be taken in Sophomore Year, Spring Semester.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of other courses in the Department of English and Foreign Languages, consult the 1982-83 Catalog.

ENGLISH

Add:

103. Skills Review. (Eng 103 Skills Review) (3-0) Credit 3. I-II. A study-practice course in essentials of English. Individualized analysis of student's writing skills and guided instruction designed to meet each student's needs toward the elimination of deficiencies. Course credit may not be used to satisfy degree requirements.

113. Freshman Composition. (Eng 113 Freshman Comp) (3-0) Credit 3. I-II. Various forms of written composition designed to develop correct language habits and logical thoughts in effective writing. While grammar is studied in relation to the writing process, emphasis in the course is upon the student's constructing coherent, grammatically effective, logical paragraphs of narration, description, example and definition. Selected paragraphs, essays and short stories are required reading for students.

123. Freshman Composition. (Eng 123 Freshman Comp) (3-0) Credit 3. I-II. Focus in course is upon paragraph and theme writing with emphasis on the language and style which contribute to the development of a clear, interesting and forceful style. Research methods and documentation appropriate to both scientific-technical and non-scientific-technical disciplines are explored. Prerequisite: English 113.

473. Writing Clinic. (Eng 473 Writing Clinic) (2-2) Credit 3. I. A study-practice course in organization, invention, and style as required in both technical and non-technical writing situations. Prerequisite: Completion of Sophomore English requirements.

Change:

213. Advanced Composition. (Eng 213 Adv Comp) (3-0) Credit 3. I-II. A course designed to aid students to become proficient in complex theme and essay writing. Focus is upon strengthening analytical thinking skills; preparation of fully documented research papers and upon writing essays about literature and in the student's discipline. Prerequisites: English 113, 123. (Formerly: Fundamentals of Speech)

223. Introduction to Literature. (Eng 223 Intro to Litr) (3-0) Credit 3. I-II. An introductory study of poetry and drama, selected literary masterpieces, and representative modern works in the form of the short story, novel, poetry and drama.

Delete:

273. Creative Writing.

FRENCH

Delete:

413. Seventeenth Century French Literature.

423. Eighteenth Century French Literature.

433. Nineteenth Century French Literature.

493. Explications de Textes.

GERMAN

Delete:

333. Recent German Literature I.

343. Recent German Literature II.

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

CURRICULUM CHANGES

COMPUTER SCIENCE (New Program)

PROGRAM REQUIREMENTS

63 Semester Hours

MAJOR: A minimum of twenty-eight (28) semester hours of Computer Science courses including 133, 243, 253, 273, 343, 363, 414, 473, and 483 is required. Additionally, six (6) semester hours of Computer Science electives are required which must be numbered 300 and above. Computer Engineering Technology 323, 363, 443, and 463 are required. Also, Mathematics 224, 373, 414, 433, and 463 are required.

MINOR: Mathematics 124, 214 and 373; CSCI 133, 243, 273, and nine (9) semester hours of upper division CSCI (300 and 400 level courses).

COLLEGE REQUIREMENTS

6 Semester Hours

A minimum of six (6) semester hours of one Foreign Language is required. Spanish 113, 123 or French 113, 123, or German 113, 123.

UNIVERSITY REQUIREMENTS

46 Semester Hour

A minimum of 132 hours, excluding Military Science 111, 121, 211, 221, or Naval Science 153, 233, 243, is required for the Bachelor of Science Degree with a major in computer science.

Prerequisites:

A prospective Computer Science minor will be able to perform at a minimum competency level (70% on a national standardized examination) in algebra, geometry and trigonometry.

NOTE— The Computer Science Program is a four-year undergraduate program. The program consists of eight semesters. If a freshman CSCI major has not satisfied minimum pre-college mathematics prerequisites, then the student will be required to enroll in Mathematics 115 (without CSCI department credit) to meet the minimum mathematics prerequisite requirements.

Bachelor of Science in Computer Science

Suggested Program

Freshman Year

Fall Semester	Hrs	Spring Semester	Hrs
Mathematics 124.....	4	Mathematics 214i.....	4
Anal Geom & Cal I.....		Anal Geom & Cal II.....	
English 113.....	3	English 123.....	3
Freshman Composition.....		Freshman Composition.....	
Foreign Language 113.....	3	Foreign Language 123.....	3
Elem French, Spanish, or German.....		Elem French, Spanish, or German.....	
Political Science 113.....	3	Political Science 123.....	3
American Government.....		American Government.....	
Physical Education 101.....	1	Physical Education 101.....	1
Physical Activity (A-R).....		Physical Activity (A-R).....	
Social Science 113.....	3	Computer Science 133.....	3
Intro to Social Sci.....		Intro to Computing.....	
	<hr/> 17		<hr/> 17

Sophomore Year

Fall Semester	Hrs	Spring Semester	Hrs
Mathematics 224.....	4	Mathematics 413.....	3
Anal Geom & Cal III.....		Differential Equations.....	
English 213.....	3	English 223.....	3
Advanced Composition.....		Intro to Literature.....	
Physics 215.....	5	Physics 225.....	5
General Physics.....		General Physics.....	
Computer Science 273.....	3	Computer Science 253.....	3
Comp & Programming.....		Numerical Calculus.....	
Physical Education 201.....	1	Physical Education 201.....	1
Physical Activity (A-N).....		Physical Activity (A-N).....	
	<hr/> 16		<hr/> 15

Junior Year

Fall Semester	Hrs	Spring Semester	Hrs
Mathematics 463.....	3	Mathematics 373.....	3
Probability & Stat.....		Linear Algebra.....	
Computer Science 343.....	3	Computer Science 414.....	4
Computer Organization.....		Numerical Analysis.....	
History 173.....	3	History 183.....	3
U.S. History.....		U.S. History.....	
Electives (minor).....	6	Elective (minor).....	3
*CET 323.....	3	*CET 363.....	3
Intro to Semi-Conductor, Logic.....		Intro to Computer Hardware.....	
	<hr/> 18		<hr/> 16

Senior Year

Fall Semester	Hrs	Spring Semester	Hrs
Mathematics 433.....	3	Computer Science 363.....	3
Elem Statistics.....		Systems Programming.....	
Computer Science 243.....	3	Computer Science 483.....	3
Data Structures.....		Undergrad Thesis.....	
Computer Science 473.....	3	Elective (Computer Science).....	3
Undergrad Thesis.....		Elective (minor).....	3
Elective (Computer Science).....	3	*CET 463.....	3
Elective (Minor).....	3	Data Communications Methods.....	
*CET 443.....	3	(Physics needed).....	
Computer Graphics Program.....			
(Physics needed).....			
	<hr/> 18		<hr/> 15

*Courses offered through the Computer Engineering Technology Program.

CSCI electives must be selected from CSCI 153, 163, 393, 394, 443, 453.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of other courses in the Department of Mathematics and Computer Science, consult the 1982-83 Catalog.

COMPUTER SCIENCE

Add:

113. FORTRAN Programming Language. (CSCI 113 FORTRAN) (3-0) Credit 3. A study of the FORTRAN programming language and the algorithms process. Prerequisite: Math 113. ✓

123. COBOL Programming Language. (CSCI 123 COBOL) (3-0) Credit 3. Computer organization and systems software; techniques for designing COBOL programs; programming in COBOL. Prerequisite: Proficiency in a compiler language.

153. Structured Programming with PASCAL. (CSCI 153 PASCAL) (3-0) Credit 3. Introduction to structured programming and programming "thinking processes." Programming assignments in PASCAL. Prerequisite: Proficiency in at least one programming language. ✓

163. PL/1 Programming. (CSCI 163 PL/1) (3-0) Credit 3. Concepts and techniques of constructing business and scientifically oriented computer programs using PL/1 programming language. Various case problems will be analyzed using structured systems development. Prerequisites: CSCI 123 or CSCI 133.

394. Microprocessor Systems. (CSCI 394 Micro Sys) (4-0) Credit 4. Microprocessor System Design and Architecture: MSI blocks, interfaces and LSI Modules. Comparative study of memory subsystems, control structures, addressing structures and interrupt structures. Microcomputer software: symbol replacement algorithms, assembler languages, conditional assembly, MP/M II and interpreters. Prerequisite: CSCI 343.

443. Computer Graphics Programming (CET 443, Computer Graphics) (2-3) Credit 3. II. An introduction to general techniques for the computer plotting of 2 and 3 dimensional shapes. Topics include 2D transforms, 3D transforms, surface representation, graphic data structure. ✓

453. Data Base Management Systems (DBMS). (CSCI 453 DBMS) (3-0) Credit 3. DBMS concepts, data description and manipulation languages, CODASYL and Relational DBMS models optimum DB design, query languages. Prerequisite: 18 semester hours in CSCI or permission of advisor.

473. Undergraduate Thesis. Credit 3. Supervised independent study and research for advanced undergraduate. Prior consent of the instructor who is to supervise this study. This approval must be based upon a written proposal submitted to the instructor.

483. Undergraduate Thesis. Credit 3. (Same as for 473).

Change:

112. Introduction to Data Processing. (CSCI 112 Data Proc) (3-0) Credit 2. Laboratory introduction to time sharing languages. Emphasis on top down, structured problem-solving approaches via programming in BASIC. Prerequisite: None. (Formerly: Mathematics 112) x

- 133. Introduction to Computing. (CSCI 133 Computing) (2-2) Credit 3.** Algorithms, programs and computers. Basic programming and program structure. Data representation. Computer solutions of several numerical and non-numerical problems using a high-level programming language, FORTRAN. Prerequisite: Math 113 or CSCI 113. (Formerly: Mathematics 133) X
- 233. Introduction to Discrete Structures. (CSCI 233 Discrete ST) (3-0) Credit 3.** Formal structures for describing data, algorithms and computing devices. Theory and applications of sets, graphs and algebraic structures. Prerequisite: CSCI 133. (Formerly: Mathematics 233) X
- 243. Data Structures. (CSCI 243 Dat Struc) (3-0) Credit 3.** Data structure configuration, stacks, queues, linked lists, trees, dynamic storage allocation and symbol manipulation algorithms, sequential random and index sequential file organization techniques. Prerequisites: CSCI 133 and CSCI 273. (Formerly: Mathematics 243) X
- 253. Numerical Calculus. (CSCI 253 Num Calculus) (2-3) Credit 3.** Taylor series and error analysis, computer solutions of interpolation and non-linear equations, Gaussian methods for numerical linear algebra, least squares, integration of functions and differential equations. Programming assignments in FORTRAN and PASCAL. Prerequisites: CSCI 133, Math 224 and Math 373. (Formerly: Mathematics 253) X
- 273. Computers and Programming. (CSCI 273 Computr Pro) (2-0) Credit 3.** Logical design and internal operation of a digital computer, facilitated by use of System/370 assembly language. Several computer projects to illustrate machine structures and programming techniques. Prerequisite: CSCI 133. (Formerly: Mathematics 143) X
- 323. Programming Languages. (CSCI 323 Prog Lang) (3-0) Credit 3.** Combination of programming and systems analysis in problem definition and solution with COBOL programming. Case problems will be analyzed and programmed in the functional fields of business. Prerequisite: CSCI 123. (Formerly: Mathematics 323)
- 343. Computer Organization. (CSCI 343 Computer Or) (3-0) Credit 3.** Functions and logical interrelationship of digital computer components including memories, processors, data channels and input/output devices. Prerequisite: CSCI 273. (Formerly: Mathematics 343)
- 383. Statistical Research Methods. (CSCI 383 Research MT) (3-0) Credit 3.** Statistical methods used in research, including analysis of variance, analysis of covariance, correlation and regression, multivariate methods and experimental design. The approach is basically an analysis of scientific methods oriented for students in agriculture, natural sciences, economics, education, business, sociology, and engineering. Highly recommended for students who plan to do graduate work in these areas. Prerequisite: Consent of Instructor. (Formerly: Mathematics 383)
- 393. Switching Theory. (CSCI 393 Switch Thry) (3-0) Credit 3.** Switching algebra, gate network analysis and synthesis, Boolean algebra, combination circuit minimization, sequential circuit state minimization, hazards and races, and elementary number system and codes. Prerequisites: CSCI 273 and CSCI 233.
- 414. Numerical Analysis. (CSCI 414 Num Anal) (4-0) Credit 4.** Polynomial equations, matrix systems of linear equations, and inversion of matrices, eigenvalue problems, interpolation, numerical differential and integration, difference and differential equations. Selected algorithms will be pro- X

grammed for solution on computers. Prerequisites: Math 413 and CSCI 133.

DEPARTMENT OF NAVY ROTC

CURRICULUM CHANGES

Naval Science 233, Seapower and Maritime Affairs, may be taken in Freshman Year, Spring Semester.

Naval Science 123, Naval Ships Systems I, may be taken in Sophomore year, Fall Semester.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of courses in the Department of Navy ROTC, consult the 1982-83 Catalog.

DEPARTMENT OF PHYSICS

CURRICULUM CHANGES

MAJOR: A minimum of 37 semester hours of Physics courses is required. These must include: 215, 225, 303, 393 (or equivalent), and 402. Additionally, Physics majors must take Chemistry 111, 113, 121, and 123. They also must take Mathematics 124, 214 and 224. Mathematics 113 and 123 (or equivalent) should be taken as prerequisites.

MINOR: A minimum of 24 semester credit hours of Physics courses is required. Additionally, Physics minors must take Mathematics 124, 214, and 224. Mathematics 113 and 123 (or equivalent) should be taken as prerequisites.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of courses in the Department of Physics, consult the 1982-83 Catalog.

DIVISION OF SOCIAL AND POLITICAL SCIENCES

CURRICULUM CHANGES

The Division of Social and Political Sciences has no changes.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of other courses in the Division of Social and Political Sciences, consult the 1982-83 Catalog.

HISTORY

Add:

103. Medieval Europe. (Hist 103 Medieval Europe) (3-0) Credit 3. The period of European History from the fall of Rome to 1500 will be studied as follows: The Origin and Triumph of Christianity; Teuton, Byzantine and

Muslim; Feudalism and the Medieval Church; Village, Town and State; Medieval Culture, The Decline of Medievalism. Lectures, special reports, selected readings. Prerequisite: Consent of Instructor.

113. Europe 1500-1815. (Hist 113 Europe 1500-1815) (3-0) Credit 3. I. In elaborating the period from the Renaissance to the Congress of Vienna, special emphasis will be placed upon the following areas: the Renaissance, the Protestant Reformation, from Universal to Territorial Absolutism, from Theology to Science-phase one. The French Revolution, and the Industrial Revolution. Lectures, notebooks, quiz section. Open on demand.

123. Europe 1815-1914. (Hist 123 Europe 1815-1914) (3-0) Credit 3. The clash of Liberalism and Reaction, 1815-1848; the Revolutionary Epoch, 1820-1852; the New Nationalism, 1852-1870; the Flowering of European Culture; Nation states: democratic and autocratic; Gotterdammerung-Crisis Europe, 1870-1914. Lectures, notebooks, quiz sessions. Open on demand.

143. Survey of Civilization. (Hist 143 Civilization) (3-0) Credit 3. Analysis of primitive man and his culture—early civilizations. Ideals and institutions with political, social, philosophical and economic life in the period of Greece, Rome, Feudalism, Renaissance, Reformation. Lectures, reading, tests, special reports, and clinics. Prerequisite: Freshman standing or Consent of Instructor.

153. Survey of Civilization. (Hist 153 Civilization) (3-0) Credit 3. Ideals and institutions with political, social and economic life in the period of rational liberalism and nationalism, the French Revolution, Nineteenth Century English liberalism, nationalistic unification, socialism, imperialism, and Twentieth Century fascism and democracy. Lectures, readings, tests, and special reports. Clinics. Prerequisite: Freshman standing or consent of instructor.

303. England. (Hist 303 England) (3-0) Credit 3. II. Development of Britain in modern historical perspective; Tudors and the Reformation; the Stuarts and Parliament; English expansion under Parliament; the Era of Reform and Empire; World War I; Britain between wars; the fight for survival; global war. Lectures, discussions, special reports. Offered in odd years. Prerequisite: Junior standing or consent of instructor.

353. Europe. (Hist 353 Europe 1914) (3-0) Credit 3. I. Twentieth Century Europe in its world revolutionary setting. (Five lectures: the Heritage, Religion, Education, Big Government, Economic Nationalism.) Discussions, special reports, term projects, lectures, tests. Offered in odd years. Prerequisite: Junior standing or consent of instructor.

PSYCHOLOGY

Add:

213. Introductory Gerontology. (Psy 213 Intro Gerontology) Credit 3. I. This course is designed to introduce students to the field of gerontology. In addition to the student's need for basic knowledge and skills, they should develop sensitivity to older persons. The course will cover a wide range of topics relating to the process of aging in our society.

Change:

363. Psychology of the Aged. (Psy 363 Psy of the Aged) (3-0) Credit 3. II. This course will emphasize the psychological aspects of aging. The major components of behavior will be explored; e.g. sensory perception, psycho-

motor skills, cognitive brain disorders, psychosis, depression, etc. Special emphasis on the changes in mental well being as a result of aging will be highlighted. (Formerly: 363 Psychology of Motivation)

483. Practicum in Gerontology. (Psy 483 Pract in Gerontology) (3-0) Credit 3. II. An integral part of the sequence in gerontology. It provides an opportunity to integrate and apply knowledge derived from Gerontology courses. Students are expected to demonstrate and utilize the knowledge, values and techniques acquired from the total sequence.

Delete:

363. Psychology of Motivation.

DEPARTMENT OF SOCIAL WORK AND SOCIOLOGY

CURRICULUM CHANGES

The Department of Social Work and Sociology has no changes.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

Add:

443. Special Topics in Sociology. (Soc 443 Special Topics) (3-0) Credit 3. I-II. This course provides instruction in special sociological topics and contemporary social issues. Topics vary each semester.

Change:

373. Social Satisfaction in American. (Formerly: 372)

413. Readings in Sociology. (Formerly: 401)

COLLEGE OF BUSINESS

Undergraduate Catalog Supplement

INSTRUCTIONAL ORGANIZATION

Department of Accounting

Department of Economics and Finance

Department of General Business Administration

Department of Management and Marketing

ADMINISTRATIVE OFFICERS

Dr. Dorisula W. Hawkins, Acting Dean, Hobart T. Taylor Hall, Room 2A 204.

Miss Monica Allums, Program Coordinator, Dept. of Accounting

Dr. Mostafa Soliman, Acting Head, Dept. of Economics & Finance

Dr. Dorisula Hawkins, Head, Dept. of Gen. Bus. Administration

Mr. Murphy Crawford, Acting Head, Dept. of Marketing & Management

INSTRUCTIONAL OFFICERS

Department of Accounting

Miss Monica Allums; Miss Rosalind Baker, CPA*; Mr. Willie Gist, CPA; Mr. Willie Webb, CPA; Mr. Melvin Huff; Mr. Frederick Roberts, Esq*

Department of Economics and Finance

Dr. Clyde Ashley; Mr. Herman Brann; Dr. Kwamena Cudjoe; Mr. DeForest Reed*; Mr. Sammy Saab*; Dr. Mostafa Soliman; Mr. K. R. Thiagarajan

Department of General Business Administration

Mrs. Carolyn Ashe; Mrs. Savannah J. Collier; Mr. Joe Fortson*; Dr. Dorisula Hawkins; Dr. Mohammed Khan; Miss Rosie L. Matlock; Mrs. Florine J. Muse**; Dr. Bernice B. Rollins; Mr. Walter Strickland, JD

Department of Management and Marketing

Mrs. Pauline Bonner*; Mr. Murphy Crawford; Mr. Larry Hamilton*, Mrs. Lucille Pointer; Dr. Lorenzo Thompson; Ms. Daisy Wood*

*Denotes part-time faculty

**Denotes faculty on leave

CURRICULUM CHANGES

GENERAL UNIVERSITY REQUIREMENTS

The following changes have occurred in all curricula in the College of Business:

English 213 is now Advanced Composition; Fundamentals of Speech (Speech 213; formerly English 213) is no longer required.

Military Science (Army ROTC and Navy ROTC) courses are optional.

Nursing 111 and 121 are now Health Education 111 and 121.

COLLEGE REQUIREMENTS

Accounting 203 is Principles of Accounting I.

Accounting 213 is Principles of Accounting II.

Economics 223 is Economic Problems.

Principles of Marketing, formerly Marketing 343, is now Marketing 303.

DEPARTMENT OF ACCOUNTING

NOTE—. Required hours of upper level accounting have been reduced to 24 hours.

Accounting 383, 423, and 443 replace the 12 semester credit hours of accounting electives.

Mathematics 123, Trigonometry, is now required and replaces Business Administration 203.

The accounting electives are now free electives in the Junior Year, Spring Semester and Senior Year, Fall Semester.

Accounting 373 is Federal Income Tax I.

The six semester credit hours of free electives in the Senior Year, Spring Semester, are now reduced to three hours, and Accounting 383, Federal Income Tax II, is now required.

DEPARTMENT OF ECONOMICS AND FINANCE

Economics Option

NOTE—. A minimum of 42 semester hours is required including Geography 183; Business Administration 103 and 283; Accounting 203 and 213; Finance 303; Management 303; Marketing 303, and 18 hours in one area of specialization (minor).

Mathematics 124, Analytical Geometry and Calculus, is now required and replaces Business Administration 203.

Management 303, Principles of Management, replaces Geography 203.

Marketing 303, Principles of Marketing, replaces Geography 213.

Sociology 263 replaces three semester credit hours of economics electives in Junior Year, Fall Semester.

Finance 303, Principles of Finance, replaces three semester credit hours of electives in Junior Year, Spring Semester.

All free electives in the Senior Year should be in the minor area (15 hours).

Finance Option

Mathematics 124, Analytical Geometry and Calculus, is now required and replaces Business Administration 203.

Accounting 303 is no longer required. Three semester credit hours of free electives replace it.

Business Administration 303, Legal and Social Environment, replaces Business Administration 223.

Finance 403 may be taken in Senior Year, Fall Semester.

Finance 413 may be taken in Senior Year, Spring Semester.

Economics 423 and 433 are no longer required.

There are now three semester credit hours of free electives in Senior Year, Fall Semester.

DEPARTMENT OF GENERAL BUSINESS ADMINISTRATION

Office Administration Option

NOTE—. The semester hours required in the major courses have been increased to include Office Administration 313, and Office Administration 413, for a total of 35 hours.

Physical Education 101 may be taken in both semesters of Freshman Year instead of the Junior Year.

Secretarial Science Option

NOTE—. The Certificate of Proficiency in Secretarial Science (2-year program) is no longer available.

DEPARTMENT OF MANAGEMENT AND MARKETING

Management Option

Physical Education 101 may be taken in both semesters of Freshman Year instead of Junior Year.

Business Administration 203, Business Mathematics, is now required and may be taken in Freshman Year, Spring Semester.

The three semester credit hours of electives in the Senior Year, Fall Semester, should be in management.

Marketing Option

NOTE—. Many courses in the marketing curriculum have been renumbered; students are encouraged to select courses based on the descriptive title of the course and to consult the Department Head for clarification.

Physical Education 101 may be taken in both semesters of Freshman Year instead of Junior Year.

Mathematics 173, General College Mathematics, replaces Mathematics 113.

Mathematics 183, General College Mathematics, replaces Business Administration 203.

Marketing 433 should be Marketing 343.

Marketing 323, Advertising, is now required and replaces three semester credit hours of marketing electives in Junior Year, Spring Semester.

There should be six semester credit hours of marketing electives and three semester credit hours of free electives in Senior Year, Spring Semester.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of other courses in the College of Business, consult the 1982-83 catalog.

ACCOUNTING

Add:

223. Survey of Accounting Principles I. (Acct 223 Srvy Acct Prin I) (3-0) Credit 3. I. Accounting survey for non-accounting majors; non-technical accounting procedures, preparation and interpretation of financial statements and internal control. Prerequisite: Sophomore classification. Not open to business majors. May not be used to satisfy degree requirements for a major in accounting.

233. Survey of Accounting Principles II. (Acct 233 Srvy Acct Prin II) (3-0) Credit 3. II. Introductory managerial and cost accounting for non-accounting majors. Not open to business majors. May not be used to satisfy degree requirements for a major in accounting. Prerequisite: Acct. 223.

390. Accounting Internship. (Acct 390 Acct Internship) (0-6) Credit 3. II. Supervised full-time off-campus training in public accounting, industry, or government. Individual conferences and written reports. The duration of the program will be one semester in length during the spring semester. Prerequisites: accounting major, approval of Department Head; must have completed 12 hours in accounting.

463. Oil and Gas Accounting. (Acct 463 Oil & Gas Acct) (3-0) Credit 3. I-II. Provides an introduction to the oil and gas industry and to the general accounting concepts for exploration and production activities. Prerequisite: Must have successfully completed 21 hours in accounting with a grade of "C" or better.

473. Accounting Topics. (Acct 473 Acct Topics) (3-0) Credit 3. I-II. Study in depth of selected accounting topics. Problem analysis will vary depending upon current major issues in the accounting profession. Prerequisite: Must

have successfully completed 21 hours in accounting with a grade "C" or better.

483. Seminar in Accounting. (Acct 483 Seminar in Acct) (3-0) Credit 3. I-II. An examination of the theoretical structures of accounting through the study of the concepts, principles, and postulates upon which accounting theory rests; historical development of accounting theory. Prerequisite: Must have successfully completed 21 hours in accounting with a grade of "C" or better.

Change:

203. Principles of Accounting I. (Acct 203 Prin of Acct I) (3-3) Credit 3. I-II. (Formerly: Financial Accounting)

213. Principles of Accounting II. (Acct 213 Prin of Acct II) (3-3) Credit 3. I-II. (Formerly: Managerial Accounting)

373. Federal Income Tax I. (Acct 373 Tax Acctng I) (3-0) Credit 3. I. (Formerly: Taxation Accounting)

383. Federal Income Tax II. (Acct 383 Tax Acctng II) (3-0) Credit 3. I. (Formerly: Taxation)

ECONOMICS

Add:

283. Economic Development. (Econ 283 Econ Developmt) (3-0) Credit 3. I-II. A study of the economic factors involved in the development of an economy.

343. Introduction to Mathematical Economics. (Econ 343 Intro Math Econ) (3-0) Credit 3. I-II. The use of mathematics for model building for business and economic measurement and forecasting.

463. Modern Economic Thought. (Econ 463 Mod Eco Thought) (3-0) Credit 3. I-II. The decline of classical economics and the rise of marginalist value and distribution theory.

Delete:

203. Survey of Economics

343. Personnel Management

FINANCE

Add:

213. Real Estate Principles. (FI 213 Real Estate Prin) (3-0) Credit 3. I-II. A study of the economic and legal environment within which real estate is transferred and used.

433. Bank Management. (FI 433 Bank Management) (3-0) Credit 3. I-II. Principles and techniques of successful organization, management, and operation of bank activities.

460. Seminar in Real Estate. (FI 460 Seminar in Real Estate) (6-0) Credit 6. II. Designed to study the principles, techniques, and legal implications of acquiring and selling real estate.

470. Current Problems in Real Estate. (FI 470 Current Prob in Real Estate) (6-0) Credit 6. II. The course is designed to develop analytical and decision-making ability of students in relation to varied problems that normally confront real estate.

485. Seminar. (FI 485 Seminar) (0-3) Credit 1-3. I-II. Directed study on selected problems in the area of finance not covered in courses. Prerequisite: Approval of Department Head.

490. Field Study in Finance. (FI 490 Field Study in FI) (6-0) Credit 1-6. I-II. Independent study in business opportunities for special interest. The amount of credit granted depends upon the nature and extent of the study or experience.

MANAGEMENT

Add:

283. Introduction to Organizational Behavior and Management I. (MG 283 Intro Org Behav) (3-0) Credit 3. I. Consideration of the elements of general management theory and the implications of individual and group behavior for organizational effectiveness.

293. Organizational Behavior. (MG 293 Org Behavior) (3-0) Credit 3. II. In-depth study of the understanding and prediction of human behavior in organizations. A study of the applications of major concepts of organizational behavior by management.

393. Industrial Relations. (MG 393 Ind Relations) (3-0) Credit 3. I-II. Philosophical, strategic, and behavioral aspects of labor-management relations.

433. Managerial Decision-Making. (MG 433 Decision Making) (3-0) Credit 3. I-II. Integration and application of administrative theory in the decision-making process.

443. Management Information Systems. (MG 443 Mgmt Info Systems) (3-0) Credit 3. II. An introduction to the capabilities, limitations, and applications of computers in the business environment. The course is designed to enable the manager to make active use of the computer in day-to-day decision making.

473. Personnel Management Systems. (MG 473 Pers Mgmt Syst) (3-0) Credit 3. I. A broad-based, systematic approach to the management and utilization of human resources. Theory and practices relating to manpower and development, performance monitoring, reward systems, including intrinsic rewards, wages and salary, and special problems.

MARKETING

Add:

313. Principles of Selling. (MK 313 Prin of Selling) (3-0) Credit 3. I. Fundamentals of personal selling including its practical application. Emphasis placed on the economic and psychological relationships among consumer needs, buying behavior and product performance as they impact on the sale of goods and services.

443. International Marketing. (MK 443 Internat Mkt) (3-0) Credit 3. I-II. A study of the mechanism of the international monetary system, the financing of the multinational operations, and the balance of payment problem. A discussion of such topics as devaluation, floating and fixed exchange rates, Special Drawing Rights, Euro-dollar and Euro-bond.

453. Marketing Analysis. (MK 453 Marketing Anal) (3-0) Credit 3. I. The application of data obtained by market research to evaluate investment, deploy manpower and assess market value of research projects.

463. Sales Management. (MK 463 Sales Mgmt) (3-0) Credit 3. II. A study of sales management through the use of analytical and problem solving skills. Topics such as sales force production, sales planning, selection and training of salesman, sales compensation, establishing territories and controls are covered.

473. Seminar in Sales. (MK 473 Seminar in Sales) (3-0) Credit 3. I. A directed study of the intricacies of the sales process and those marketing activities that assist selling efforts such as market research, production planning, marketing administration, customer services, sales support, and advertising and sales promotion.

Change:

303. Principles of Marketing. (MK 303 Prin of Marketing) (3-0) Credit 3. I-II. (Formerly: 343)

333. Salesmanship. (MK 333 Salesmanship) (3-0) Credit 3. I-II. (Formerly: 313)

343. Retail Management. (MK 343 Retail Mgmt) (3-0) Credit 3. I-II. (Formerly: 433)

433. Marketing Management. (MK 433 Marketing Mgmt) (3-0) Credit 3. I-II. (Formerly: 333)

OFFICE ADMINISTRATION

Add:

103. Information Processing. (OA 103 Info Processing) (2-1) Credit 3. I-II. Development of basic touch keyboarding and other information processing skills. Inputting of alphabetic, numeric and symbolic information; basic vocabulary and concepts used in keyboarding and also information retrieval.

243. Introduction to Word Processing. (OA 243 Word Processing) (2-3) Credit 3. II. An introduction to Word Processing (WP) concepts, careers, supervision, and systems and management; covers the traditional office and the office with WP, how to determine the feasibility of WP, how to implement WP, the five phases of WP and the future of WP.

453. Advanced Word Processing. (OA 453 Adv Word Processing) (2-3) Credit 3. I-II. Integrates skills developed in other courses, especially teamwork, decision-making, setting priorities, managing time and organizing work stations.

COLLEGE OF EDUCATION

Undergraduate Catalog Supplement

INSTRUCTIONAL ORGANIZATION

Department of Administration and Supervision
Department of Counselor Education
Department of Elementary and Secondary Education
Department of Health, Physical Education, and Recreation

ADMINISTRATIVE OFFICERS

Dr. Leroy Moore, Acting Dean, Education Building, Room 109E
Dr. Louis Aikens, Head, Dept. of Administration and Supervision
Dr. Ernest T. Brooks, Head, Dept. of Counselor Education
Dr. Helen E. Miller, Head, Dept. of Elementary and Secondary Education
Dr. Mary L. White, Acting Head, Dept. of Health, Physical Education, and Recreation

INSTRUCTIONAL OFFICERS

Department of Administration and Supervision

Dr. Louis Aikens; Dr. Raymond E. Carreathers; Dr. Johnny R. Hill*;
Dr. William H. Parker; Mr. Charles F. Randle; Dr. Iredell D. Starling; Mr. Curtis A. Thomas*; Dr. Willie F. Trotty

Department of Counselor Education

Dr. Michael A. Ard; Dr. Ernest T. Brooks; Dr. Alexander Brown*; Mr. Lee R. Coleman; Dr. John R. Harris*; Dr. Waymon T. Webster

Department of Elementary and Secondary Education

Dr. Martha L. Bailey; Dr. Clarissa G. Booker; Mr. Ross D. Clark*; Dr. Bonita Davis; Dr. Harold Fillyaw; Dr. Gwendolyn Grossman; Dr. Marion Henry; Mrs. Etta J. Hill; Dr. Marilyn E. Jones*; Dr. William S. Kendall; Mr. Ronald D. Leverett*; Dr. Erna Massiah; Dr. Helen E. Miller; Mrs. Marilyn J. Randolph; Mrs. March M. Tramble; Ms. Lora Williams

Department of Health, Physical Education, and Recreation

Mr. Ronald D. Beard; Mr. Willie J. Duplantier; Mr. Leon G. English; Mr. Richard A. Franz; Mr. Jerome Harrell; Ms. Barbara Jacket; Mr. James R. McKinley; Dr. Leroy G. Moore; Ms. Norma J. Spinks; Mr. Reginald L. Sykes; Mr. John W. Tankersley; Mr. Darwin K. Valentine; Mr. Frank E. Walters; Dr. Mary L. White; Mr. Johnnie Williams; Mr. Hoover J. Wright

CURRICULUM CHANGES

GENERAL UNIVERSITY REQUIREMENTS

The following changes have occurred in all curricula in the College of Education:

English 213 is now Advanced Composition; Fundamentals of Speech (Speech 213; formerly English 213) is no longer required.

Military Science (Army ROTC and Navy ROTC) courses are optional. Nursing 111 and 121 are now Health Education 111 and 121.

COLLEGE REQUIREMENTS

No changes have occurred in the college requirements.

DEPARTMENT OF ELEMENTARY EDUCATION

Education 463, Foundations in Reading Instruction, is required of all students seeking a provisional teaching certificate.

*Denotes part-time faculty

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of other courses in the College of Education, consult the 1982-83 Catalog.

EDUCATION

Add:

483. Instructional Media and Technology. (Educ 483 Instr Media and Techn) (3-0) Credit 3. II. Introduction to contemporary media and technology for instruction. Applications of audio-visual and microcomputer technologies to classroom instruction and learning. Emphasis on computer literacy for teachers.

Change:

353. Children's Literature. (Formerly: 432)

423. Mathematics for Elementary School Teachers. (Incorrectly listed as Informal Geometry)

Delete:

483. Basic Concepts in Education.

COLLEGE OF ENGINEERING

Undergraduate Catalog Supplement

INSTRUCTIONAL ORGANIZATION

Department of Architecture
Department of Chemical Engineering
Department of Civil Engineering
Department of Electrical Engineering
Department of General Engineering
Department of Mechanical Engineering

ADMINISTRATIVE OFFICERS

Dr. Decatur B. Rogers, Acting Dean, Engineering Center, Room 102
Mr. Marshall Brown, Chairman, Department of Architecture
Dr. Jerald N. Linsley, Acting Chairman, Department of Chemical Engineering
Dr. R. N. S. Rao, Chairman, Department of Civil Engineering
Dr. John Fuller, Chairman, Department of Electrical Engineering
Dr. Ing Chang, Acting Chairman, Department of Mechanical Engineering

INSTRUCTIONAL OFFICERS

Department of Architecture

Mr. C. K. Andoh; Mr. Marshall Brown; Mr. Wesley H. Henderson;
Mr. Simon R. Wiltz

Department of Chemical Engineering

Dr. Jerald N. Linsley; Mr. G. D. Wesson

Department of Civil Engineering

Mr. P. R. Khajautia; Mr. Chen-Tien Luke; Mr. J. Q. Omwanghe; Dr. K. M. A. Rahman; Dr. R. N. S. Rao; Dr. Hsiang Y. Yeh

Department of Electrical Engineering

Mr. Walter Craig; Mr. Sam R. Daruvalla; Mr. Ervin Emanuel; Dr. Thomas N. Fogarty; Dr. John Fuller; Mr. Robert C. Schneider; Mr. Ken W. Washington

Department of General Engineering

Mr. Robert F. Ford; Mr. Ernest Lowery

Department of Mechanical Engineering

Mr. M. M. Ansari; Dr. Ing. Chang; Dr. Mark J. Hommel; Dr. Chinyere Onwubiko; Dr. Decatur Rogers; Mr. Herschell Sheely

CURRICULUM CHANGES

GENERAL UNIVERSITY REQUIREMENTS

The following changes have occurred in all curricula in the College of Engineering:

English 213 is now Advanced Composition; Fundamentals of Speech (Speech 213, formerly English 213) is no longer required.

Military Science (Army ROTC and Navy ROTC) courses are optional.

Nursing 111 and 121 are now Health Education 111 and 121.

COLLEGE REQUIREMENTS

The following changes have occurred in all engineering curricula in the College of Engineering:

Chemistry 114 is now Chemistry 111 (Lab) and Chemistry 113 (Lecture).

Chemistry 124 is now Chemistry 121 (Lab) and Chemistry 123 (Lecture).

DEPARTMENT OF ARCHITECTURE

Architecture 465, Architecture Problems, is no longer required.

Architecture 485 is no longer required.

Civil Engineering 413, Reinforced Concrete, is now required and may be taken in Fourth Year, Spring Semester.

Architecture 493, Professional Administration, is now required and may be taken in Fifth Year, Spring Semester.

DEPARTMENT OF CHEMICAL ENGINEERING

Civil Engineering 243, Engineering Mechanics I, and History 173, The United States 1492-1876, are now required and may be taken in Sophomore Year, Summer Session I.

Civil Engineering 253, Engineering Mechanics II, and History 183, The United States 1877-Present, are now required and may be taken in Sophomore Year, Summer Session II.

Electives C are non-technical electives.

Electives A are technical electives.

DEPARTMENT OF CIVIL ENGINEERING

Mathematics 124 is Analytical Geometry and Calculus.

Civil Engineering 243, 253, History 173, 183, need no longer be taken in Sophomore Year, Summer Session.

Political Science 113 may be taken in Sophomore Year, Summer Session I.

Political Science 123 may be taken in Sophomore Year, Summer Session II.

Electrical Engineering 384, Electric Circuits and Devices, is now required and may be taken in Junior Year, Fall Semester.

Economics 213 may be taken in Junior Year, Spring Semester.

Civil Engineering 492, Senior Engineering Project, may be taken in Senior Year, Fall Semester.

Technical Electives should be increased to 6 semester credit hours in Senior Year, Fall Semester and 6 semester credit hours in Senior Year, Spring Semester.

Civil Engineering 442, Engineering Construction, is now included among the Civil Engineering Technical Electives.

Mechanical Engineering 443 is no longer included among the Civil Engineering Technical Electives.

DEPARTMENT OF ELECTRICAL ENGINEERING

Electrical Engineering 344, Electronics I, has 4 semester credit hours.

Electrical Engineering 333 listed in Senior Year, Fall Semester should be Electrical Engineering 433, Electromagnetic Field Theory.

DEPARTMENT OF MECHANICAL ENGINEERING

Mechanical Engineering 443 listed in Senior Year, Fall Semester, should be Mechanical Engineering 442, Machine Design II, and has 2 semester credit hours.

Technical electives have been expanded to include Civil Engineering 424, Civil Engineering 433, General Engineering 323, General Engineering 423, and General Engineering 433.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of other courses in the College of Engineering, consult the 1982-83 Catalog.

CIVIL ENGINEERING

Add:

331. Mechanics of Materials Laboratory II. (CE 331 Mech Lab II) (0-3) Credit 1. I-II. Determination of mechanical and strength properties in the laboratory according to standard methods for cement concrete and its ingredients. Prerequisite: Civil Engineering 313, 321, and concurrent enrollment in Civil Engineering 413.

482. Civil Engineering Undergraduate Research. (CE 482 Undergrad Research) (0-6) Credit 2. I-II. Conduct research under the guidance of an instructor and perform a study on design or investigation. A written report is required involving techniques and analysis of data at the end of the study.

COLLEGE OF HOME ECONOMICS

Undergraduate Catalog Supplement

ADMINISTRATIVE OFFICERS

Dr. Flossie M. Byrd, Dean, L. O. Evans Hall, Room 321.

INSTRUCTIONAL OFFICERS

Dr. Robert V. Cole, Jr.; Dr. Delilia L. A. Diggs; Mrs. Barbara G. Dixon; Mrs. Bernice S. Flakes; Dr. Elizabeth N. Noel; Mrs. Ernestine Outly

RESEARCH OFFICERS

Dr. M. Maxine Hammonds; Dr. Mary S. Hawkins

CURRICULUM CHANGES

GENERAL UNIVERSITY REQUIREMENTS

The following changes have occurred in all curricula in the College of Home Economics:

Chemistry 114 is now Chemistry 111, Inorganic Chemistry Laboratory, and Chemistry 113, General Inorganic Chemistry.

Chemistry 124 is now Chemistry 121, Inorganic Chemistry Laboratory, and Chemistry 123, General Inorganic Chemistry.

English 213 is now Advanced Composition; Fundamentals of Speech (Speech 213; formerly English 213) is now longer required.

Military Science (Army ROTC and Navy ROTC) courses are optional.

Nursing 111 and 121 are now Health Education 111 and 121.

COLLEGE REQUIREMENTS

The following changes have occurred in all curricula in the College of Home Economics:

Home Economics 313, formerly Home Management, is now Family Resource Management I.

Home Economics 403, formerly Home Management Residence, is now Family Resource Management II.

Bachelor of Science in Home Economics

Clothing and Merchandising option is now Fashion Merchandising and Design option.

Computer Science 123, COBOL Programming Language, replaces Psychology 113.

Marketing 313 is Principles of Selling.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of other courses in the College of Home Economics, consult the 1982-83 Catalog.

DESIGN

Change:

133. Crafts Design. (Formerly: Crafts)

GENERAL HOME ECONOMICS

Add:

313. Family Resource Management I. (HE 313 Fam Res Mgmt) (3-0) Credit 3. Principles of effective resource management from a systems approach; analysis of management components; a study of the application of resources to varied family situations.

403. Family Resource Management II. (HE 403 Res Mgmt II) (3-0) Credit 3. Application of the principles of family resource management to simulated family situations in a supervised residence laboratory in group living; an exploration of the consequences of varying family structures and conditions. Lab fee: \$2.00.

Delete:

313. Home Management.

403. Home Management Residence.

COLLEGE OF INDUSTRIAL EDUCATION AND TECHNOLOGY

Undergraduate Catalog Supplement

INSTRUCTIONAL ORGANIZATION

Department of Computer Engineering Technology

Department of Industrial Education

Department of Industrial Technology

ADMINISTRATIVE OFFICERS

Dr. Samuel R. Collings, Dean, Industrial Education Building, Room 101

Mr. J. D. Oliver, Head, Department of Computer Engineering Technology

Dr. Harold S. Bonner, Head, Department of Industrial Education

Dr. Charles T. Edwards, Head, Department of Industrial Technology

INSTRUCTIONAL OFFICERS

Department of Computer Engineering Technology

Dr. David Kirkpatrick; Mr. Weldon Maddox; Mr. J. D. Oliver

Department of Industrial Education

Mr. Willie Adams; Mr. Willie Bell; Dr. Harold Bonner; Dr. Lloyd Boyden; Mr. Lott Brooks*; Dr. S. R. Collins; Mr. Leon Glenn*; Mrs. Arreader Guidry*; Mr. Walter Hall; Mr. Richard Hayes; Mrs. Virginia Hinze*; Mr. Eugene Jackson; Mr. Joseph Naylor; Dr. Kenneth Smith; Mrs. Myrtle Tompkins; Mr. Obra Tompkins

Department of Industrial Technology

Dr. Charles T. Edwards, Jr.; Mr. Dewey Fontenot; Mr. Albert Hearn; Mr. Harding L. Jones; Mr. Bobby Kennard; Dr. David Kirkpatrick; Mr. Weldon Maddox

CURRICULUM CHANGES

GENERAL UNIVERSITY REQUIREMENTS

The following changes have occurred in all curricula in the College of Industrial Education and Technology:

English 213 is now Advanced Composition; Fundamentals of Speech (Speech 213; formerly English 213) is no longer required.

Military Science (Army ROTC and Navy ROTC) courses are optional.

Nursing 111 and 121 are now Health Education 111 and 121.

DEPARTMENT OF COMPUTER ENGINEERING TECHNOLOGY (New Program)

PROGRAM REQUIREMENTS

88 Semester Hours

MAJOR: A minimum of sixty-one (61) semester hours of Computer Engineering Technology courses, six (6) semester hours of Computer Science courses and six (6) semester hours of General Engineering courses. Also, nine (9) semester hours of General Engineering courses. Also, nine (9) semester hours of related technical elective courses and six (6) semester hours of science elective courses are required.

COLLEGE REQUIREMENTS

2 Semester Hours

Industrial Technology 402

UNIVERSITY REQUIREMENTS

51 Semester Hours

English 113, 123, 213, 223

Mathematics 115, 124, 163

Physics 214, 224

History 173, 183

Political Science 113, 123

Physical Education—Four one-hour courses

Economics 213

A minimum of 141 hours is required for the Bachelor of Science Degree with a major in Computing Engineering Technology.

Prerequisites

A prospective Computer Engineering Technology (CET) major will be able to perform at a minimum competency level (70% on a national standardized examination) in algebra, geometry and trigonometry.

*Denotes part-time faculty

Bachelor of Science in Computer Engineering Technology

Suggested Program

Freshman Year

Fall Semester	Hrs	Spring Semester	Hrs
English 113	3	English 123	3
Freshman Composition		Freshman Composition	
Mathematics 115	5	History 173	3
College Algebra & Trig		U.S. History	
General Engineering 113	3	Computer Eng Tech 123	3
Engineering Graphics		Computer Organization	
Computer Eng Tech 113	3	Mathematics 124	4
Concepts of Comp Tech		Analytical Geometry & Cal I	
Computer Science 113	3	Computer Eng Tech 143	3
Fortran Prog Lang		Circuit Analysis I	
Physical Education 101	1	Physical Education 101	1
Physical Activities (A-R)		Physical Activities (A-R)	
	18		17

Sophomore Year

Fall Semester	Hrs	Spring Semester	Hrs
English 213	3	Economics 213	3
Advanced Composition		Principles of Economics	
History 183	3	Physics 224	4
U.S. History		General Physics	
Mathematics 163	3	Computer Eng Tech 224	4
Technical Math II		Electronics I	
Physics 214	4	Computer Science 273	3
General Physics		Assembly Language	
Computer Eng Tech 213	3	English 223	3
Circuit Analysis II		Introduction to Literature	
Physical Education 201	1	Physical Education 201	1
Physical Activities (A-R)		Physical Activities (A-R)	
	17		18

Junior Year

Fall Semester	Hrs	Spring Semester	Hrs
Political Science 113	3	Political Science 123	3
American Government		American Government	
Computer Eng Tech 313	3	Computer Eng Tech 323	3
Electronics II		Computer Logic	
Computer Eng Tech 333	3	Computer Eng Tech 364	4
Modern Prog Tech		CPU Hardware Architecture	
Computer Eng Tech 353	3	Science Elective	3
CPU Hardware		Mgmt 303 (recommended)	
Science Elective	3	Principles of Management	
BA 103 (recommended)		Technical Elective	3
Intro to Business			16
	15		

Summer Session

Computer Engineering Technology 6
CET Cooperative Education

Senior Year

Fall Semester	Hrs	Spring Semester	Hrs
General Engineering 423	3	Industrial Tech 402	2
Technical Writing		Seminar	
Computer Eng Tech 413	3	Computer Eng Tech 423	3
Non-Numerical Algorithms		Numerical Algorithms	
Computer Eng Tech 433	3	Computer Eng Tech 443	3
Advanced Comp Organization		Computer Graphics	
Computer Eng Technology 453	3	Computer Eng Tech 463	3
Micro-Peripheral Hardware		Data Communication	
Computer Eng Tech 472	2	Computer Eng Tech 493	3
CET Seminar		Special Problems	
Technical Elective	3	Technical Elective	3
	17		17

TECHNICAL ELECTIVES

CET 373, CET 383, CET 393, CET 474, CET 483, Computer Science 243, and Computer Science 394

DEPARTMENT OF INDUSTRIAL EDUCATION

Bachelor of Science in Industrial Education

- Machine Shop 113, Benchwork, replaces Military Science 112.
- Limited elective (3 semester credit hours) replaces Military Science 122.
- Machine Shop 123, Machine Shop, may now be taken in Freshman Year, Spring Semester.
- Industrial Technology 402, Technology Seminar, replaces Military Science 212.
- Printing 113, Graphic Arts I, may be taken in Sophomore Year, Fall Semester.
- Printing 213, Graphic Arts II, replaces Military Science 222.
- Woodwork 314, Machine Woodworking, may be taken in Junior Year, Fall Semester.
- Crafts 153, General Crafts, may be taken in Junior Year, Spring Semester.
- Applied Science 133, Technical Mathematics, is now required and may be taken in Senior Year, Fall Semester.
- Sheet Metal 313, Industrial Arts Sheet Metal, replaces Machine Shop 343.

Bachelor of Science in Vocational Industrial Education

NOTE— Commercial Foods option will be phased out by August 31, 1984.
Printing option will be phased out by August 31, 1985.

One and Two Year Certificate Programs in Industrial Education

NOTE— One and Two year certificate programs will be phased out by August 31, 1985.

DEPARTMENT OF INDUSTRIAL TECHNOLOGY

Bachelor of Science in Industrial Technology

- Mathematics 133 is now Computer Science 133, Introduction to Computing.
 - Management 303, Principles of Management, replaces Accounting 203 and may be taken in Junior Year, Fall Semester.
 - Management 313, Personnel Management, is now required and may be taken in Senior Year, Fall Semester.
- NOTE— Air Conditioning and Refrigeration option is no longer available.
Building Construction option will be phased out by August 31, 1984.
Electrical option is no longer available.

Automotive Option

- Welding 123, Welding II Gas, replaces Military Science 212.
- CET 113, Concepts of Computer Technology, replaces Military Science 223.

Building Construction Option

- Building Construction 113, Concrete Construction, and Building Construction 133, Frame Construction I, replace Carpentry 117.
- Building Construction 143, Frame Construction II, replaces Masonry 113.
- Building Construction 123, Reinforced Concrete and Testing, replaces Military Science 222.
- Drafting 353, Residential Planning, and Building Construction 213, Masonry Construction I, replace Masonry 217.
- Drafting 363, Commercial Building Planning, and Building Construction 223, Masonry Construction II, replace Carpentry 227.

Drafting and Design Option

- Drafting 352, Construction Cost and Estimating, replaces Military Science 212.
- CET 113, Concepts of Computer Technology, replaces Military Science 222.
- Drafting 463, Computer Aided Drafting, is now required and may be taken in Junior Year, Fall Semester.

Electronics Option

- Electronics 211, Communication, replaces Military Science 212.
- CET 113, Concepts of Computer Technology, replaces Military Science 222.
- Electronics 214 is now Electronics 213.
- Electronics 224 is now Electronics 223.

Metal Option

- Welding 213, Advanced Welding I, replaces Military Science 212.
- CET 113, Concepts of Computer Technology, replaces Military Science 222.

Associate of Applied Science Degree

NOTE—. Associate of Applied Science degree programs will be phased out by August 31, 1985.

Automotive Technology, Drafting and Design, and Electronics Options.

- CET 113, Concepts of Computers Technology, replaces Military Science 212.

Building Construction Option

- Building Construction 113, Concrete Construction, and Building Construction 133, Frame Construction I, replace Carpentry 117.
- Building Construction 123, Reinforced Concrete and Testing, and Building Construction 223, Masonry Construction II, replace Carpentry 227.
- Building Construction 143, Frame Construction II, replaces Masonry 113.
- Building Construction 213, Masonry Construction I, and Drafting 353, Residential Planning, replace Masonry 217.
- CET 113, Concepts of Computer Technology, replaces Military Science 212.

Metal Option

Drafting 403, Machine Drafting, replaces Military Science 212.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of other courses in the College of Industrial Education and Technology, consult the 1982-83 Catalog.

BUILDING CONSTRUCTION

Add:

113. Concrete Construction. (Build Constr 113, Concrete Constr) (0-6) Credit 3. I. Fundamental principles of concrete; materials used in concrete; designing concrete mixtures for various jobs; mixing and transporting concrete; placing, finishing and curing concrete for slabs, walks, drives, piers, steps, and precast concrete items; theory on manufacturing cements; design and control of concrete mixtures for light construction; coloring and special surface finishes. Lab fee: \$2.00.

123. Reinforced Concrete and Testing. (Build Constr 123, Reinf Concrete Testing) (0-6) Credit 3. II. Fundamental principles of reinforced concrete; reinforcing steel for concrete construction; reinforced concrete slab design; reinforced concrete framing for building and highway construction; reinforced concrete columns; ties for reinforcing steel, laying reinforcing rods, and wire mesh; testing properties of concrete mixtures and materials; reinforced concrete pavements and highway construction, and a brief consideration of subgrade construction. Lab fee: \$2.00.

133. Frame Construction I. (Build Constr 133, Frame Constr I) (0-6) Credit 3. I. Use, care and value of tools, materials and equipment; building construction techniques and skills common to light frame construction; physical and mechanical properties of wood; principles of wood construction; dry wall and panel construction including interior finish; joints and connecting devices used in frame construction; use of power machines and safety. Lab fee: \$2.00.

143. Frame Construction II. (Build Constr 143, Frame Constr II) (0-6) Credit 3. II. Metal products used in frame construction; framing methods and techniques for wood trusses and arches; theory of laminated wood rigid frames; fireproof and waterproof construction; frame and metal for concrete pouring; techniques of mass production in the manufacturing of prefabricated homes; practical work in residential constructions. Lab fee: \$2.00.

213. Masonry Construction I. (Build Constr 213, Masn Constr I). (0-6) Credit 3. I. Use, care and value of tools; current methods used in masonry; mixing mortar; description and manufacturing clay products; physical properties of clay products; mortar characteristics and properties; basic skills in laying clay products; design and construction of masonry walls and partitions; current bonds used in masonry construction; brick veneering; masonry maintenance. Lab fee: \$2.00.

223. Masonry Construction II. (Build Constr 223, Masn Constr II) (0-6) Credit 3. II. Concrete block construction; concrete masonry products and manufacturing; characteristics of concrete masonry units; design and construction of concrete masonry walls and partitions; modular planning of concrete block units; basic skills in laying block units; physical properties of

CARPENTRY

Delete:

- 117. Elementary Carpentry I.**
- 127. Elementary Carpentry II.**
- 217. Advanced Carpentry I.**
- 227. Advanced Carpentry II.**

SHEET METAL

Change:

- 313. Industrial Arts Sheet Metal.** (Formerly listed as Intermediate Sheet Metal)

COMPUTER ENGINEERING TECHNOLOGY

Add:

113. Concepts of Computer Technology. (CET 113, CET Concepts) (2-3) Credit 3. I. An introduction to the use of computers; computer architecture, use, applications to business and industry. Introduction to careers in computer engineering technology. Introduction to notion of algorithms and simple data structures. Computer experience, using procedure-oriented language (BASIC). Proper programming techniques: flowcharting, testing, debugging and documentation. Prerequisite: None.

123. Basic Computer Organization. (CET 123, CPU Organization) (2-3) Credit 3. I. Fundamental aspects of basic computer components. Functions and general operating characteristics of CPU's primary, secondary and mass memory, controllers, printers, card readers, terminals. The operating system, scheduling, monitoring, spooling, paging, system programs, virtual memory, multiprogramming, multiprocessing. Prerequisite: Math 113.

143. Circuit Analysis I. (CET 143, Circuits I) (2-3) Credit 3. I. A study of DC electrical circuits, Ohm's Law, Kirchhoff's laws, series and parallel circuits, power, introductory magnetism, ammeters, voltmeters, ohmmeters, inductance and capacitance, an introduction to alternating voltages, currents and reactances. Prerequisite: Math 113.

213. Circuit Analysis II. (CET 213, Circuit) (2-3) Credit 3. I. A study of DC and AC electrical circuits, network theorems, J operator, phasors, reactances, impedances, phase relationships, power, resonance, transformers, graphical techniques and transients. Prerequisites: CET 143 and Math 115.

224. Electronics I. (CET 224, Electronics I) (3-3) Credit 4. II. Conductors, semiconductors, insulators, their electronic properties and applications. Solid-state diodes, bi-polar and MOSFET transistors, biasing techniques, DC and AC load lines, analysis of basic amplifiers and switching circuits. Prerequisites: CET 213 and Math 115.

313. Electronics II. (CET 313, Electronics II) (2-3) Credit 3. I and II. Continuation of Electronics I. Implementation of the concepts from Electronics I to form basic logic and decision-making circuits. Feedback principles as applied to amplifiers, oscillators and regulated power supplies. Analysis of operational amplifiers. Digital to analog conversion. Prerequisites: CET 213 and Math 115.

- 323. Computer Logic. (CET 323, Logic II) (2-3) Credit 3.** II Introduction to the hardware building blocks of general computers. Topics include: gates, flipflops, registers, decoders, ALU's, memory arrays. Prerequisites: CET 113 and CET 123.
- 333. Modern Programming Techniques. (CET 333, Mod. Tech.) (2-3) Credit 3.** I. Structured methods for developing complex computer programs. Top down design, hierarchy diagrams, HIPO charts, composite design, structured analysis, team-programming. Students will develop and write sections of complex programs. Prerequisites: CSCI 113 and CET 123.
- 353. Introduction to Computer Hardware. (CET 353, CPU Hardware I) (2-3) Credit 3.** II. The internal operation of a microprocessor CPU. Registers and timing control, programmable gate arrays, array processors as CPU models. Students will use individual board computers for doing simulation. Prerequisites: CET 323 and Math 124.
- 356. CET Co-operative Education. (CET 356, Co-op Ed.) (0-6) Credit 6.** I and II. Practical work experience in industry or business where computer engineering technology assignments are performed. Written and oral reports of this experience are required. Prerequisite: Consent of Instructor.
- 364. CPU Architecture Hardware. (CET 364 CPU Arch.) (3-3) Credit 4.** I. The performance characteristics of commercially available CPU's. Students will write code for 4 bit through 32 bit processors. Selection and use of processors. Prerequisite: CET 353.
- 373. Large System Assembly Language. (CET 373, Syst. Assembly) (2-3) Credit 3.** I. Typical large computer system assembly languages. Edit and translate instructions, micro writing, program sectioning, linking, data representation, addressing, instruction formats in BAL and VAX-11 assembler languages. Prerequisites: CSCI 273 or CET 364.
- 383. Industry Hardware and Software. (CET 383, Ind. Hardware) (3-0) Credit 3.** II. A study of industrial developments and trends in computer hardware; current software packages and methods. Data base management, scientific and statistical analysis, security and privacy, software assurance and documentation. Prerequisites: CSCI 113 and CET 353.
- 393. Operating Systems. (CET 393, Op. Systems) (2-3) Credit 3.** I. The basic principles of operating system implementation. Topics include resources, memory, processor and device management, command, and strategies, I/O programming, swapping, overlays, jobs and processing scheduling, and other operating systems. Prerequisites: CET 123.
- 413. Non-numerical Algorithms. (CET 413, Algorithms I) (2-3) Credit 3.** I. Data; structures, storage, manipulation and retrieval methods. Topics include: stacks, queues, lists, trees, heaps, sets, graphs, hashing, searching, sorting, key processing, relationship models. Students will write and run data manipulation programs. Prerequisites: CSCI 113, CET 113 and Math 124.
- 423. Numerical Algorithms. (CET 423, Algorithms II) (2-3) Credits 3.** II. Computer methods for solving mathematical problems including deterministic vs. stochastic methods, random number generators, iterative vs. noniterative solutions, integrals, vector and matrix algebra, permutations and combinations. Prerequisite: CET 413.
- 433. Advanced Computer Organization. (CET 433, Adv. CPU Org.) (3-0) Credits 3.** I. The operating and performance characteristics of complex and special purpose components including memory hierarchies, fiber optics,

bubble memory, mass storage, computer networks, distributed processing, data flow, special purpose/parallel processors and system performance methods. Prerequisites: CET 123 and CET 393.

443. Computer Graphics Programming. (CET 443, Computer Graphics) (2-3) Credits 3. II. An introduction to general techniques for the computer plotting of 2 and 3 dimensional shapes. Topics include 2D transforms, 3D transforms, surface representation, graphic data structures, shading. Prerequisite: CET 413.

453. Micro Peripheral Hardware. (CET 453, Micro Hardware) (2-3) Credits 3. I and II. The elements of microprocessor peripheral hardware and its interfacing. Students will configure and construct microprocessor systems. Topics include series and parallel I/O devices, DMA and interrupt control devices, bus arbitration, memory management units. Prerequisite: CET 383.

463. Data Communication Methods. (CET 463, Data Commun.) (3-0) Credit 3. II. Functional and operational aspects of data communication devices and software, including modems, control units, multiplexers, concentrators, front-end processors, codes and procedures, protocols, error checking, networks. Prerequisite: Proficiency in a Compiler Language.

472. CET Seminar. (CET 472, Seminar) (2-0) Credit 2. I and II. Oral presentation of topics of timely interest from current literature of the field. Prerequisite: Consent of the Instructor.

473. Computer-Aided Manufacturing. (CET 473, CAD/CAM) (2-3) Credit 3. I. An introduction to computer-aided manufacturing. Use of computers in industrial automation, programmable controls, numerical controls, lasers and industrial robots. Prerequisite: CET 423.

483. Single Chip Microprocessors. (CET 483, Chip Micro) (2-3) Credit 3. II. A study of the hardware limitations of a single chip system. Hardware flexibility, capabilities of 8 bit intelligent devices rewired into high volume. Prerequisite: CET 453.

493. Special Problems in Computer Technology, (CET 493, Spec. Problems) (3-0) Credit 3. I and II. Theoretical or experimental work under individual faculty supervision. Results are to be presented in an oral presentation and a formal written report. Prerequisite: Senior Classification.

ELECTRONICS

Change:

- 153. Basic Electronics I. (Formerly: 134)**
- 163. Radio Receivers. (Formerly: 144)**
- 213. Advanced Circuits and Systems. (Formerly: 214)**
- 223. Testing and Servicing. (Formerly: 224)**
- 233. Television. (Formerly: 234)**
- 273. Television System. (Formerly: 254)**
- 283. Color Television. (Formerly: 244)**

Delete:

- 410. Computer System Maintenance.**

MASONRY

Delete:

- 117. Elementary Masonry.
- 127. Elementary Masonry.
- 217. Advanced Masonry.
- 227. Advanced Masonry.

COLLEGE OF NURSING

Undergraduate Catalog Supplement

ADMINISTRATIVE OFFICERS

Mrs. JoAnn P. Blake, Acting Dean, PVA&MU College of Nursing,
Houston Clinical Center, 6436 Fannin, 9th Floor-Room 916.

INSTRUCTIONAL OFFICERS

Mrs. Barbara Alexander; Mrs. Willarena Ashe; Ms. Patricia Beatty;
Mrs. Lillian Bernard; Mrs. Brenda Beyer; Mrs. Ruth P. Caggins; Ms.
Rita Cascio; Mrs. Grace Chen; Dr. Elizabeth W. Cooper; Ms. Cheryl
Edmond; Mrs. Chloe Gaines; Ms. Anna A. Goble; Mrs. Jennifer
Goodman; Mrs. Jean Woodard-Hudson; Mrs. Mary M. Lott; Dr.
Jewellean Mangaroo*; Dr. Jeannette O. Poindexter**; Ms. Carrie L.
Stuart; Mrs. Dorothie Ward.

CURRICULUM CHANGES

GENERAL UNIVERSITY REQUIREMENTS

The following changes have occurred in all curricula in the College of
Nursing:

English 213 is now Advanced Composition; Fundamentals of Speech
(Speech 213, formerly English 213) is no longer required.

Military Science (Army ROTC and Navy ROTC) courses are optional.

Nursing 111 and 121 are now Health Education 111 and 121.

COLLEGE REQUIREMENTS

Chemistry 114 is now Chemistry 111 (Lab) and Chemistry 113 (Lec-
ture).

PRE-CLINICAL STUDIES

Psychology 113 may be taken in Freshman Year, Spring Semester.

Biology 114, General Zoology, is optional and may be taken in Fresh-
man Year, Fall Semester.

History 173 may be taken in Freshman Year, Fall Semester.

Biology 154 and Home Economics 143 may be taken in Sophomore
Year, Spring Semester.

Chemistry 314, Introduction to Organic Chemistry, replaces Chemistry
324 and may be taken in Freshman Year, Spring Semester.

History 183 may be taken in Freshman Year, Spring Semester.

Biology 164 may be taken in Sophomore Year, Spring Semester.

*Denotes part-time faculty

**Denotes faculty on leave

Suggested Program for Full-Time Registered Nurse Students

First Semester	Hrs	Second Semester	Hrs
Nursing 203.....	3	Nursing 353.....	3
Intro to Nurs Process		Family Development	
Nursing 206.....	6	Nursing 393.....	3
Nursing Process I		Individual Health Assess	
Nursing 213.....	3	Nursing 423.....	3
Psychosocial Nursing I		Research Process in Nursing	
Psychology 233.....	3	Nursing 428.....	8
Fundamentals of		Nursing Process V	
Statistics			
	<hr/> 15		<hr/> 17
Summer	Hrs		
Nursing Elective.....	3		
Nursing 400.....	3		
Independent Study			
	<hr/> 6		

NOTE.— This is a suggested program for R.N. students who have challenged the maximum number of courses.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of other courses in the College of Nursing, consult the 1982-83 Catalog.

Add:

363. Human Sexuality: Implications for Nurses. (Nurs 363 Human Sex: Imp for Nurs) (3-0) Credit 3. I-II. The focus of this course is to utilize knowledge of human sexuality as a basis for providing nursing care for individuals who are ill or disabled. The sexual needs of patients experiencing minor to major deviations from health will be explored. Patient education will be emphasized as a means for helping the patient understand his own sexual response and the sexual response of others. Current research related to human sexuality and illness will be shared.

440. Seminar III. (Nurs 440 Seminar III) Credit 2. I-II-III. This seminar explores and discusses recent issues and trends in nursing.

450. Seminar VIII. (Nurs 450 Seminar VIII) Credit 2. I-II-III. This seminar examines trends and issues related to the transition from a student to a beginning practitioner of professional nursing.

Change:

373. Nursing and the Aged. (Formerly: 443)

393. Individual Health Assessment. (Formerly: 424)

428. Nursing Process V: Leadership and Community. (Formerly: 426)

433. Advanced Nursing Concepts. (Formerly: 444)

Delete:

314. Fundamentals of Human Sexuality.

GENERAL INFORMATION

GRADUATE SCHOOL

ADMINISTRATIVE OFFICER

Dr. Arthur C. Washington, Dean, Graduate School, Evans Hall, Room 103

ADMISSION REQUIREMENTS

1. Completion of the application form.
2. A minimum undergraduate cumulative grade point average of 2.75 on a 4.0 grading scale for regular graduate student status.
3. Less than 2.75 but a minimum of 2.45 grade point average on a 4.0 grading scale for provisional graduate student status. Departments are also allowed to use the last 60 semester hours of undergraduate credit for admitting students in this category.
4. A bachelor's degree from any accredited college or university.
5. Two official transcripts of college work (undergraduate and graduate) from the registrar of each college previously attended. A final transcript showing that the bachelor's degree has been awarded must be obtained before the applicant can enroll in graduate school.
6. Two letters of recommendation from persons in the field of the applicant's academic major.
7. Official scores on the Graduate Record Examination (GRE)-University requirement, and the Graduate Management Admissions Test (GMAT)-College of Business requirement.
8. Finally, recommendation of admission by the Director of the graduate program applied for and formal acceptance by the Dean of the Graduate School.

For submission of application and all credentials the following deadline dates apply:

April 1, for 1st Summer Session
May 1, for 2nd Summer Session
July 1, for Fall Session
November 1, for Spring Session

Applications should be submitted to:

Graduate Admissions Office
Room 103 Evans Hall
Prairie View A&M University
Prairie View, Texas 77446

Degree Status

Students admitted as regular graduate students are called degree status students.

Provisional Status

Students enrolled on a probationary basis in a program are called provisional status students. Students in this category may enroll for a maximum of 12 semester credits. At the conclusion of the provisional status, students may be admitted to degree status. This depends upon the grade

point average (minimum of 3.0) obtained by the student and upon evaluation and recommendation by the degree program director and approval of the Graduate Dean.

Non-Degree Status

Students who have a bachelor's degree (minimum GPA of 2.45) and wish to take graduate courses without making declaration of a program major are called non-degree status students. These students must meet the minimum academic course prerequisites in order to be admitted to advanced courses. Up to six graduate credits may be applied to a degree program, if the student applies and is admitted to degree status. Admission to degree status must be recommended by the appropriate program director and be approved by the Dean of the Graduate School.

Special Student Status

This status is assigned to:

1. Students who wish to take graduate courses but do not meet the minimum GPA for admission as either, degree, provisional, or non-degree status students. These students should have high recommendations as potential graduate students. Students in this category must enroll for 12 graduate semester credits covering a maximum of two consecutive terms. They may be admitted to degree status if a GPA of 3.0 is maintained during this period and admission is recommended by the degree program director and approved by the Dean of the Graduate School. Only three (3) semester hours of graduate credits taken during this period may be applied to a degree program.
2. Students who are removed from degree status because of low GPA's. Students in this category may petition to the degree program for re-admission to degree status after earning a 3.0 GPA. A petition will be allowed only one time within a period of two years (24 months).
3. Students whose academic records were not received before the deadline for admission. If the records are received within a period of eight weeks after courses start, the records will be evaluated. There will be notification of possible admission status. If the records are not received within the eight week period after courses begin at the University, no credit will be given for the course.

TUITION AND STUDENT FEES (See General Information, Undergraduate Programs.)

FINANCIAL AID

Graduate teaching and research assistantships are available to qualified students. Applications for graduate teaching and research assistantships should be submitted to the Graduate School Office.

Applications for federal and state-assisted loan programs and all other requests for financial assistance should be submitted to the Financial Aid Office.

The deadline for applying for teaching and research assistantships is the same as for applying for admission to Graduate School. The deadline for applying for other financial assistance should be obtained from the Financial Aid Office.

ACADEMIC REQUIREMENTS

Full-Time Enrollment

This University defines full-time enrollment for a graduate student as a minimum of 9 semester credits during the regular terms and a minimum of 4 academic credits during each summer term.

Grade "I" (Incomplete)

A graduate student can receive a grade of "I", incomplete, in a course with the privilege of finishing the work before the end of one calendar year from the close of the term in which the grade was earned. At the end of that period if a grade is not submitted, a failing (F) grade will be recorded. This regulation does not apply to thesis and research credit courses but does apply to terminal project credit courses. A fee payable to the Office of the Registrar is required for the change of grade.

Academic Dismissal

A student who, in any two consecutive semesters, has semester averages or an academic year average below 2.75 is subject to academic dismissal upon recommendation of the graduate program directors to the Dean of the Graduate School.

Thesis

One copy of the approved bound thesis must be filed in the Graduate Office.

Application for Degree

All candidates expecting to graduate must file an application for the degree. The deadline for filing an application for the degree is published each semester by the Office of the Registrar at Prairie View A&M University.

ACADEMIC INFORMATION

GRADUATE SCHOOL

COLLEGE OF AGRICULTURE

INSTRUCTIONAL PROGRAMS

Agricultural Economics
Agricultural Education
Agricultural Extension Education
Soil Science

INSTRUCTIONAL OFFICERS (Graduate)

Dr. Eugene Brams; Dr. Theodore Freeman; Dr. Thomas S. Harris; Dr. Vernon Jones; Dr. Alfred L. Parks; Dr. Freddie L. Richards; Dr. George Stafford; Dr. Cecil L. Strickland, Sr.

CURRICULUM CHANGES

AGRICULTURAL ECONOMICS PROGRAM

First Semester	Hrs	Second Semester	Hrs
Economics 713	3	Economics 723	3
Microeconomic Theory		Macroeconomic Theory	
Business Administration 733	3	Agricultural Economics 723	3
Business Statistics		Price Analysis	
Economics 653	3	Agricultural Economics-763	3
Economic Statistics		Agricultural Policy	
Agricultural Economics 523	3	Agricultural Economics 533	3
Marketing Ag Products		Research in Agriculture	
Agricultural Economics 733	3		
Adv Farm Management			
Third Semester	Hrs	Fourth Semester	Hrs
Economics Elective	3	Thesis	1-6
Agricultural Economics 513	3		
Agricultural Finance			
Agricultural Economics 743	3		
Land & Resource Econ			

AGRICULTURAL EDUCATION PROGRAM

NOTE—. Fifteen or more hours in agricultural education are required in the specialization category for the professional certificate in Vocational Agricultural Education.

AGRICULTURAL EXTENSION EDUCATION PROGRAM

NOTE—. The College of Agriculture no longer offers the Master of Science or Master of Education degrees in Cooperative Extension Education.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of other courses in the College of Agriculture, consult the 1982-83 Catalog.

AGRICULTURAL ECONOMICS

Add:

533. Research in Agriculture. (3-0) Credit 3. Theoretical foundations of marketing in the modern economic system, including values added in the marketing system; dimensions and functions of marketing in relation to time, space and value; market integration and product quality control; market contracting, orders and power.

763. Agricultural Policy. (3-0) Credit 3. Survey and analysis of the laws and regulations affecting the agricultural sector, including farms and ranches and agri-businesses; interrelationships of the agricultural sector of the economy with other sectors of the economy; an analysis of public policy and government regulations of the agricultural sector.

Change:

743. Land and Resource Economics. (3-0) Credit 3. (Formerly: Land Tenure and Problems).

AGRICULTURAL EDUCATION

Add:

573. Organization of Extension Education. (3-0) Credit 5. Study of Cooperative Extension in Agriculture and Home Economics; principles of development; objectives; organization; program planning, coordination, and procedures of teaching and evaluating. One week observation with a County Extension Agent. Prerequisite: Senior or Graduate Classification.

COLLEGE OF ARTS AND SCIENCES

Graduate Catalog Supplement

INSTRUCTIONAL PROGRAMS

Applied Music and Music Education
Biology and Environmental Toxicology
Chemistry
English
History
Mathematics
Sociology

APPLIED MUSIC AND MUSIC EDUCATION

INSTRUCTIONAL OFFICERS (Graduate)

Dr. James T. Ashford; Mr. Connally S. Garrett; Dr. Rubye Hebert; Mr. Danny Kelley; Mr. William McQueen, III; Dr. Lucius Wyatt

CURRICULUM CHANGES

The Music Programs have no changes.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of other courses in the Department of Art, Music and Drama, consult the 1982-83 Catalog.

MUSIC

Add:

513A-523A-613A-623A-713A. Graduate Woodwinds. (Musc 513A-523A-613A-623A-713A) (3-0) Credit 3. I-II. Applied music studies in woodwind instruments with attention to appropriate graduate level literature.

513B-523B-613B-713B-723B. Graduate Brass. (Musc 513B-523B-613B-713B-723B Graduate Brass) (3-0) Credit 3. I-II. Applied music studies in brass instruments with attention to appropriate graduate level literature.

513C-523C-613C-623C-713C-723C. Graduate Percussion. (Musc 513C-523C-613C-623C-713C-723C Graduate Percussion) (3-0) Credit 3. I-II. Applied music studies in percussion instruments with attention to appropriate graduate level literature.

513E-523E. Piano. (Musc 513E-523E Piano) (3-0) Credit 3. I-II. Applied music studies in piano with attention to appropriate graduate level literature.

513F-523F. Voice. (Musc 513F-523F Voice) (3-0) Credit 3. I-II. Applied music studies in voice with attention to appropriate graduate level literature.

633. History of Music and Literature I. (Musc 633 Hist of Mus Lit I) (3-0) Credit 3. A graduate level course in the history of music from antiquity to 1750.

643. Foundations of Music Education. (Musc 643 Found of Mus Educ) (3-0) Credit 3. I-II. Introduction to graduate study in Music Education. Basic concepts. History and philosophy of Music Education with application to problems in music teaching. Bibliography and survey of current literature.

663. Graduate Comprehensive Musicianship. (Musc 663 Comp Musicianship) (3-0) Credit 3. I-II. The study of music with broad application of theoretical and historical concepts.

703. Music of the Twentieth Century. (Musc 703 Twentieth Century) (3-0) Credit 3. I-II. The study of the developments in music from 1900 to the present with emphasis on the leading composers and their styles.

733. Studies in Voice Literature. (Musc 733 Voice Literature) (3-0) Credit 3. I-II. The study of significant literature for the voice.

743. Studies in Piano Literature. (Musc 743 Piano Literature) (3-0) Credit 3. I-II. The study of significant literature for the piano.

843. Choral Conducting. (Musc 843 Choral Conducting) (3-0) Credit 3. I-II. The study of conducting techniques used in the performance of choral music.

853. Baroque Music. (Musc 853 Baroque Music) (3-0) Credit 3. I-II. The study of the major developments in music during the Baroque Era.

863. Music in the Classic Period. (Musc 863 Classic Music) (3-0) Credit 3. I-II. The study of the major developments in music during the Classic Period.

880. Thesis. (Musc 880 Thesis) (3-2) Credit 3. I-II. Original research in music culminating in a written document.

883. Nineteenth Century Music. (Musc 883 Nineteenth Cen Musc) (3-0) Credit 3. I-II. The study of the major developments in music during the Nineteenth Century.

933. Choral Literature. (Musc 933 Choral Lit) (3-0) Credit 3. I-II. The study of musical works written for choir.

983. Research Project in Music. (Musc 983 Research Project) (3-0) Credit 3. I-II. An original research project in music completed in lieu of the thesis.

Change:

673. History of Music and Literature II. (Musc 673 Hist of Musc Lit II) (3-0) Credit 3. II. A graduate level course in the history of music from 1750 to the present. (Formerly: Dictation and Sight Singing)

683. Psychology of Music Teaching and Learning. (Musc 683 Psy of Mus Teaching) (3-0) Credit 3. I-II. A review of the essential teaching techniques and strategies used in music teaching in conjunction with new research studies in Psychology. (Formerly: Teaching of Music Literature)

693. Analysis of Music. (Musc 693 Analysis) (3-0) Credit 3. I-II. The analysis of small and large forms of music. (Formerly: Analysis of Form)

783. Studies in Winds-Percussion Literature. (Musc 783 Winds Percussion Lit) (3-0) Credit 3. I-II. The study of significant literature written for wind and percussion instruments. Solo and chamber music. (Formerly: Contrapuntal and Chromatic Dictation)

793. Introduction to Musical Research. (Musc 793 Intro to Mus Research) (3-0) Credit 3. I-II. An introductory course in the methods and techniques of musical research. Bibliography. Review of informational courses. (Formerly: Chromatic and Modern Harmony)

833. Instrumental Conducting. (Musc 833 Instrumental Conducting) (3-0) Credit 3. I-II. The study of techniques used in conducting instrumental ensembles. (Formerly: Advanced Orchestral Conducting)

911. Music Workshop. (Musc 911 Workshop) (0-1) Credit 1. I-II. A workshop devoted to the discussion of special topics in music. (New description)

923. Music Workshop. (Musc 923 Workshop) (0-5) Credit 3. I-II. A workshop devoted to the discussion of special topics in music. (New description)

943. Marching Band Techniques. (Musc 943 March Band Techniques) (3-0) Credit 3. I-II. The study of band pageantry, the planning and organization of performances of the marching band; The charting of formations. (Formerly: Drill and Band Formations in High School)

953. Band Literature. (Musc 953 Band Lit) (3-0) Credit 3. I-II. The study of musical works written for the Wind Band. (Formerly: Advanced Analytical Harmony)

Delete:

Music 512C. Violin
Music 522C. Violin
Music 921. Workshop
Music 941. Workshop

Music 951. Workshop
Music 961. Workshop
Music 971. Workshop
Music 981. Workshop

BIOLOGY AND ENVIRONMENTAL TOXICOLOGY PROGRAMS

INSTRUCTIONAL OFFICERS (Graduate)

Dr. Jewel E. Berry; Dr. George E. Brown; Dr. Lee E. Henderson; Dr. Ronald D. Humphrey; Dr. Edward W. Martin; Dr. Seab A. Smith; Dr. Arthur C. Washington

CURRICULUM CHANGES

The Biology Programs have no changes.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of other courses in the Department of Biology, consult the 1982-83 Catalog.

BIOLOGY

Delete:

613. Plant Physiology.

674. Plant Breeding.

694. Animal Breeding.

CHEMISTRY PROGRAM

INSTRUCTIONAL OFFICERS (Graduate)

Dr. Henry H. Ballard; Dr. Larry L. Cole; Dr. V. M. Doctor; Dr. William E. Moore; Dr. John R. Williams

CURRICULUM CHANGES

The Chemistry Program has no changes.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of the courses in the Department of Chemistry, consult the 1982-83 Catalog.

ENGLISH PROGRAM

INSTRUCTIONAL OFFICERS (Graduate)

Dr. Jean Carter; Mr. William H. Chapman; Mrs. Frankie B. Ledbetter; Dr. Theodis Shine; Dr. E. Joahanne Thomas

CURRICULUM CHANGES

The English Program has no changes.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of other courses in the Department of English, consult the 1982-83 Catalog.

ENGLISH

Delete:

613-616. Dramatic Workshop.

643. Studies in Contemporary Drama.

HISTORY PROGRAM

INSTRUCTIONAL OFFICERS (Graduate)

Dr. Purvis M. Carter; Dr. Anasuya S. Rao; Dr. George R. Woolfolk

CURRICULUM CHANGES

The History Program has no changes.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of the courses in the Division of Social and Political Sciences, consult the 1982-83 Catalog.

MATHEMATICS PROGRAM

INSTRUCTIONAL OFFICERS (Graduate)

Dr. Laurette B. Foster; Dr. Frank T. Hawkins; Dr. Burnis W. Johnson;
Dr. Vera C. King; Mr. J. D. Oliver; Dr. Pedro A. Oliver; Dr. A. D. Stewart; Dr. Evelyn E. Thornton

CURRICULUM CHANGES

The Mathematics Program has no changes.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of other courses in the Department of Mathematics, consult the 1982-83 Catalog.

MATHEMATICS

Change:

503. Special Problems. (Formerly: Math for Elementary Teachers)

SOCIOLOGY PROGRAM

INSTRUCTIONAL OFFICERS (Graduate)

Dr. Sarah Williams; Ms. Jimmie Poindexter

CURRICULUM CHANGES

The Sociology Program has no changes.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of other courses in the Department of Sociology, consult the 1982-83 Catalog.

SOCIOLOGY

Delete:

583. Social Anthropology.

COLLEGE OF BUSINESS

Graduate Catalog Supplement

INSTRUCTIONAL PROGRAMS

Business Administration
Business Education
Economics

INSTRUCTIONAL OFFICERS (Graduate)

Dr. Clyde Ashley; Ms. Rosalind Baker*; Dr. Kwamena Cudjoe; Dr. Dorisula W. Hawkins; Dr. Bernice Rollins; Dr. Mostafa Soliman

*Denotes part-time faculty

BUSINESS ADMINISTRATION PROGRAM

CURRICULUM CHANGES

Master of Business Administration (MBA) Suggested Program

Plan I*

1st Semester	Hrs	2nd Semester	Hrs
Acct. 503	3	Acct. 513	3
Financial Accounting		Managerial Accounting	
Management 513	3	Management 623	3
Management Process		Prob. in Manpowr Mgt.	
Marketing 573	3	Marketing 603	3
Advanced Marketing		Marketing Management	
Bus. Administration 553	3	Finance 593	3
Legal Environment		Intro. To Finance	
	<hr/> 12		<hr/> 12

*Students who have not taken a course in computer programming should enroll for BA 500, Computer Applications for Management, during the first or second semester.

3rd Semester	Hrs	4th Semester	Hrs
Economics 713	3	Economics 723	3
Microeconomic Theory		Macroeconomic Theory	
Bus. Administration 733	3	Bus. Administration 783	3
Business Statistics		Quantitative Analysis	
Finance 583	3	Electives	6
Theory of Fi. Mgt.		MG 533, 603, or 613	
Elective	3	FI 623, 633, or 653	
MG 503 or 523		Acct 723 or 733	
FI 603 or 613			
Acct 623 or 633			
	<hr/> 12		<hr/> 12

Plan II

No specific schematic plan is recommended for students who possess an undergraduate degree in business administration and are admitted to Plan II. However, students are cautioned to take any necessary prerequisite courses before enrolling in advanced level courses. In general, the courses in any area of specialization should be taken in numerical sequence. FI 593 and FI 583 are improperly sequenced. FI 593 is a prerequisite for FI 583. In addition, the 1982-83 Catalog contains an error in the requirements. It lists FI 593, Introduction to Finance, as a required course in Plan II; the correct required course is FI 583, Theory of Financial Management.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of other courses in the College of Business, consult the 1982-83 Catalog.

ACCOUNTING

Add:

623. Seminar in Tax Planning I and II. (Acct 623 Seminar in Tax) (3-0) Credit 3. I-II. The study of business situations and appropriate alternative plans to minimize taxes; tax research and planning for business enterprise and individuals. Prerequisite: Acct 513.

633. Advanced Accounting Theory. (Acct 633 Adv Acct Theory) (3-0) Credit 3. I-II. Critical evaluation of theory structure in accounting. Study of the criteria for choices among income-determination and asset-valuation rules for public reporting. Prerequisite: Acct 513.

723. Advanced Contemporary Accounting Topics. (Acct 723 Adv Acct Topics) (3-0) Credit 3. I-II. Critical examination of subject matter presented in current periodicals and bulletins in the field of accounting. Prerequisite: Acct 513.

733. Seminar in Tax Problems of Corporations. (Acct 733 Sem Tax Prob) (3-0) Credit 3. I-II. Accounting for corporate combinations and affiliations, devisive reorganizations and personal holding companies. Prerequisite: Acct 513.

743. Managerial Accounting Analysis. (Acct 743 Managerial Acct Anal) (3-0) Credit 3. I-II. Study of the uses and limitations of cost analysis in managerial decision making and control. Emphasis placed on planning, relevant costs, capital budgeting, inventory planning and control.

ECONOMICS

Add:

683. Economic Growth. (Econ 683 Economic Growth) (3-0) Credit 3. I-II. Study of the problems and methods of achieving a more rapid rate of economic and social development.

793. Mathematical Economics. (Econ 793 Math Econ) (3-0) Credit 3. I-II. Mathematical investigation of economic concepts and models.

COLLEGE OF EDUCATION

Graduate Catalog Supplement

INSTRUCTIONAL PROGRAMS

Educational Administration

Educational Technology

Elementary Education

Guidance

Health Education

Physical Education

Secondary Education

Special Education

Supervision of Instruction

INSTRUCTIONAL OFFICERS (Graduate)

Dr. Louis L. Aikens; Dr. Michael Ard; Dr. Martha Bailey; Dr. Clarissa G. Booker; Dr. Ernest Brooks; Dr. Alexander Brown; Dr. Raymond Carreathers; Mr. Ross Clark; Dr. Thomas J. Cleaver; Mr. Lee R. Coleman; Mr. Leon G. English; Dr. Harold Fillyaw; Dr. Gwendolyn Grossman; Dr. John Harris; Dr. Marion Henry; Dr. William Kendall; Dr. Erna Massiah; Dr. Helen Miller; Dr. Leroy G. Moore; Dr. William Parker; Mr. Charles Randle; Dr. Iredell Starling; Dr. Willie Trotty; Dr. Waymon Webster; Ms. Lora Williams; Dr. Mary V. White; Dr. Curtis A. Wood; Mr. Hoover Wright

CURRICULUM CHANGES

The Education Programs have no changes.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of other courses in the College of Education, consult the 1982-83 Catalog.

EDUCATION

Change:

673. Methods of Teaching Secondary School Subjects. (Listed incorrectly as 573 in the section on Reading of the 1982-83 Catalog)

823A. Multi-cultural Education. (Listed incorrectly as Techniques in Educational Research in the section on Elementary Education in the 1982-83 Catalog)

GUIDANCE

Change:

603. Supervised Practice in Counseling. (Serves both elementary and secondary schools)

Delete:

613. Supervised Practice in Counseling and Guidance in the Elementary School.

773. Guidance in the Elementary School.

SPECIAL EDUCATION

Change:

923. Independent Testing of Exceptional Children. (SpEd 923 Testng Except Chld) (3-0) Credit 3. II. Individual opportunities to study and administer selected tests appropriate for use with a variety of exceptional children. (Formerly: Workshop)

PHYSICAL EDUCATION

Delete:

613. Individual Physical Education.

COLLEGE OF ENGINEERING

Graduate Catalog Supplement

INSTRUCTIONAL PROGRAMS

Engineering

INSTRUCTIONAL OFFICERS (Graduate)

Dr. Ing Chang; Dr. Thomas Fogarty; Dr. John Fuller; Dr. Jerald Linsley; Dr. R. N. S. Rao; Dr. Decatur Rogers; Mr. Herschell Sheely; Dr. H. Y. Yeh

CURRICULUM CHANGES

The Engineering Program has no changes.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of the courses in the College of Engineering, consult the 1982-83 Catalog.

COLLEGE OF HOME ECONOMICS

Graduate Catalog Supplement

INSTRUCTIONAL PROGRAMS

General Home Economics
Home Economics Education

INSTRUCTIONAL OFFICERS (Graduate)

Dr. Flossie Byrd; Dr. Marjorie Hammonds; Dr. Elizabeth Noel

CURRICULUM CHANGES

The Home Economics Programs have no changes.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

GENERAL HOME ECONOMICS

Add:

543. Child Development I. (HE 543 Child Dvlp I) (3-0) Credit 3. A study of the developmental characteristics of the child from birth to age five. Analysis of major theories and research findings to programs for young children and parent education.

600. Thesis. (HE 600 Thesis) (3-8) Credit 0-7. Thesis and research. Registration with permission of chairman of graduate committee. Individual conferences and guidance.

623. Child Development II. (HE Child Dvlp II) (3-0) Credit 3. A study of the developmental characteristics of middle childhood, ages five through twelve, through the analysis of current research and developmental theories. Examination, evaluation and interpretation of current issues and trends.

CLOTHING

Delete:

713. Problems in Costume Design.

HOME ECONOMICS EDUCATION

Delete:

522, 532, 542, 552, 562, 582, 592. Workshop.

573. Thesis Research.

633, 653, 663. Workshop.

COLLEGE OF INDUSTRIAL EDUCATION AND TECHNOLOGY

Graduate Catalog Supplement

INSTRUCTIONAL PROGRAMS

Industrial Education

INSTRUCTIONAL OFFICERS (Graduate)

Dr. Harold S. Bonner; Dr. Lloyd R. Boyden; Dr. Samuel R. Collins;
Dr. Charles T. Edwards, Jr.; Dr. Willie Hooker; Mr. Eugene
Jackson; Dr. David Kirkpatrick; Mr. Clarence Tally; Dr. Kenneth
Smith

CURRICULUM CHANGES

The Industrial Education Program has no changes.

COURSE DESCRIPTIONS

(Additions, Changes, Deletions)

For a complete listing of other courses in the College of Industrial
Education and Technology, consult the 1982-83 Catalog.

AUDIO VISUAL EDUCATION

Change:

502. Materials in Instruction. (Listed incorrectly as 503 in the 1982-83
Catalog)

